

200 - FT CERTIFIED OWNERS' LIST			
BLOCK	LOT	PROPERTY OWNER	ADDRESS
13	8	JAMES & JAMIE CAPEZZUTO	60 CENTER STREET CLINTON, NJ 08809
13	9	ROGER D. MELICK III	64-66 CENTER STREET CLINTON, NJ 08809
14	14	MEREDITH HYLAND & BRAHIM SADOUNI	61 CENTER STREET CLINTON, NJ 08809
14	15	JENNIFER JUDE ENGLISH	65 CENTER STREET CLINTON, NJ 08809
14	16	ROBERT PYLE & JENNIFER SMITH	67 CENTER STREET CLINTON, NJ 08809
14	17	MICHAEL FOKKEN, NELLY MACYS	69 CENTER STREET CLINTON, NJ 08809
14	18-19	JOHN J. HARNEY	73 CENTER STREET CLINTON, NJ 08809
14	20-21 & 25	CLINTON PRESBYTERIAN CHURCH	91 CENTER STREET CLINTON, NJ 08809
14	22	RIVERSIDE CEMETERY	CENTER STREET CLINTON, NJ 08809
14	23	SHAWN & KELLY BOYD	93 CENTER STREET CLINTON, NJ 08809
14	24	JOHN & CATHERINE WOOD	101 CENTER STREET CLINTON, NJ 08809
14	26	PATRIK HELLBERG & AMY FREY	109 CENTER STREET CLINTON, NJ 08809
14	27	MRS. PIERCE	111 CENTER STREET CLINTON, NJ 08809
14	28	ALLYSON C. IRONS	15 GEORGES PLACE CLINTON, NJ 08809
14	29	BYRON GAMBLE	17 GEORGES PLACE CLINTON, NJ 08809
14	30	BRIAN HARRIS & LISA INTRABARTOLA	19 GEORGES PLACE CLINTON, NJ 08809
14	31	REBECCA WALTERS	23 GEORGES PLACE CLINTON, NJ 08809
14	31.01	ANGELO YACONE & MELISSA GALLAGHER	25 GEORGES PLACE CLINTON, NJ 08809
14	33	ELIZABETH TOWN WATER C/O AMERICAN WATER SHARED GENERAL TAX DEPARTMENT	P.O. BOX 5627 CHERRY HILL, NJ 08034-0590
14	34	LUKE & EMILY JACOBS	1 CENTRAL AVENUE CLINTON, NJ 08809
15	14	HUNTERDON COUNTY BD. OF REC.COM	P.O. BOX 2900- DAN BUSH FLEMINGTON, NJ 08822-2900
15	15	MEGHAN & ERICK HEDA	48 HALSTEAD STREET CLINTON, NJ 08809
15	16	ALAN & KATHRYN VAN NATTA	52 HALSTEAD STREET CLINTON, NJ 08809
15	32	UNKNOWN C/O TAX COLLECTOR TOWN OF CLINTON	P.O. BOX 5194 CLINTON, NJ 08809
17	2	ANSUYA RIVERBEND LLC	P.O. BOX 157 ANNANDALE, NJ 08801
17.01	2.03	ANSUYA RIVERBEND LLC	P.O. BOX 157 ANNANDALE, NJ 08801
17.01	3 & 4	SARANNA LLC/GLEICHER, J.	5 DEER HILL ROAD ASBURY, NEW JERSEY 08802
18	5	Z & F LLC	3322 US HIGHWAY 22, Suite 1401 SOBRANCHOBURG, NJ 08876-4407
21	1	KEITH & MICHELLE MILLER	70 CENTER STREET CLINTON, NJ 08809
21	2	STEVEN & LESLIE TSUKROFF	72 CENTER STREET CLINTON, NJ 08809

NOTICE TO BE SERVED FROM CERTIFIED LIST OBTAINED FROM THE MUNICIPALITY

ADDITIONAL PARTIES TO BE NOTIFIED	
PROPERTY OWNER	ADDRESS
CLINTON WATER DEPARTMENT ATTN: ROGER PLAISTED	P.O. BOX 5194 CLINTON, NJ 08809
CLINTON SEWER DEPARTMENT ATTN: PAUL KLITSCH	P.O. BOX 5194 CLINTON, NJ 08809
COMCAST CABLE COMPANY CONSTRUCTION 732-652-2700	800 RAHWAY AVE UNION, NJ 07083
JCP&L (ELECTRICITY) 800-662-3115	300 MADISON AVENUE MORRISTOWN, NJ 07960
ELIZABETH GAS CO. 800-522-4560	P.O. BOX 1450 ELIZABETH, NJ 07207-1450
CENTURYLINK TELEPHONE COMPANY OF NJ	180 CENTER STREET CLINTON, NJ 08809
AT & T 800-252-1133	50 PATRICIA DRIVE FLANDERS, NJ 07836

# PRELIMINARY MAJOR SUBDIVISION AND PRELIMINARY SITE PLAN CLINTON COMMONS

BLOCK 14 LOT 32  
TOWN OF CLINTON, HUNTERDON COUNTY, NEW JERSEY

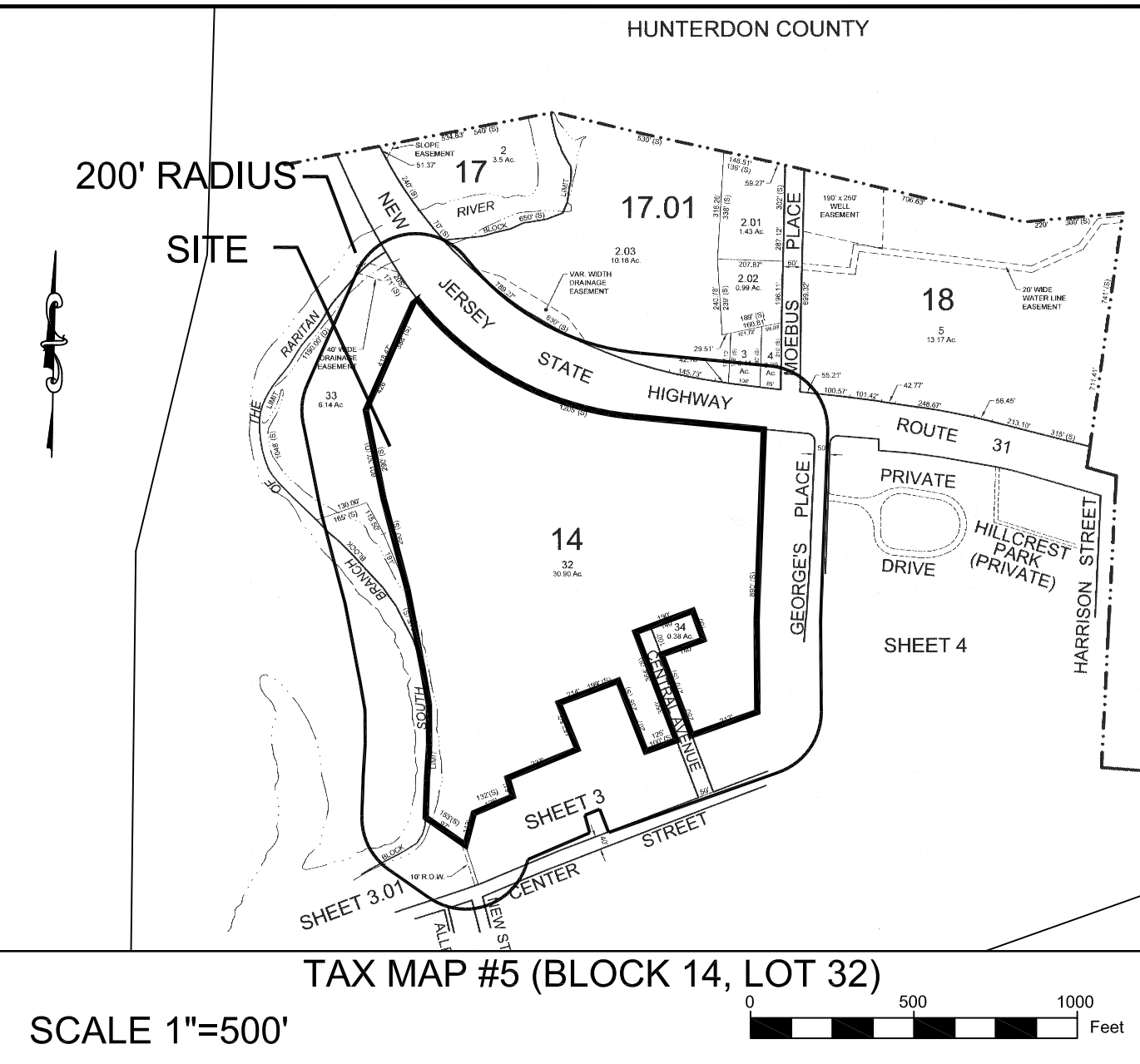
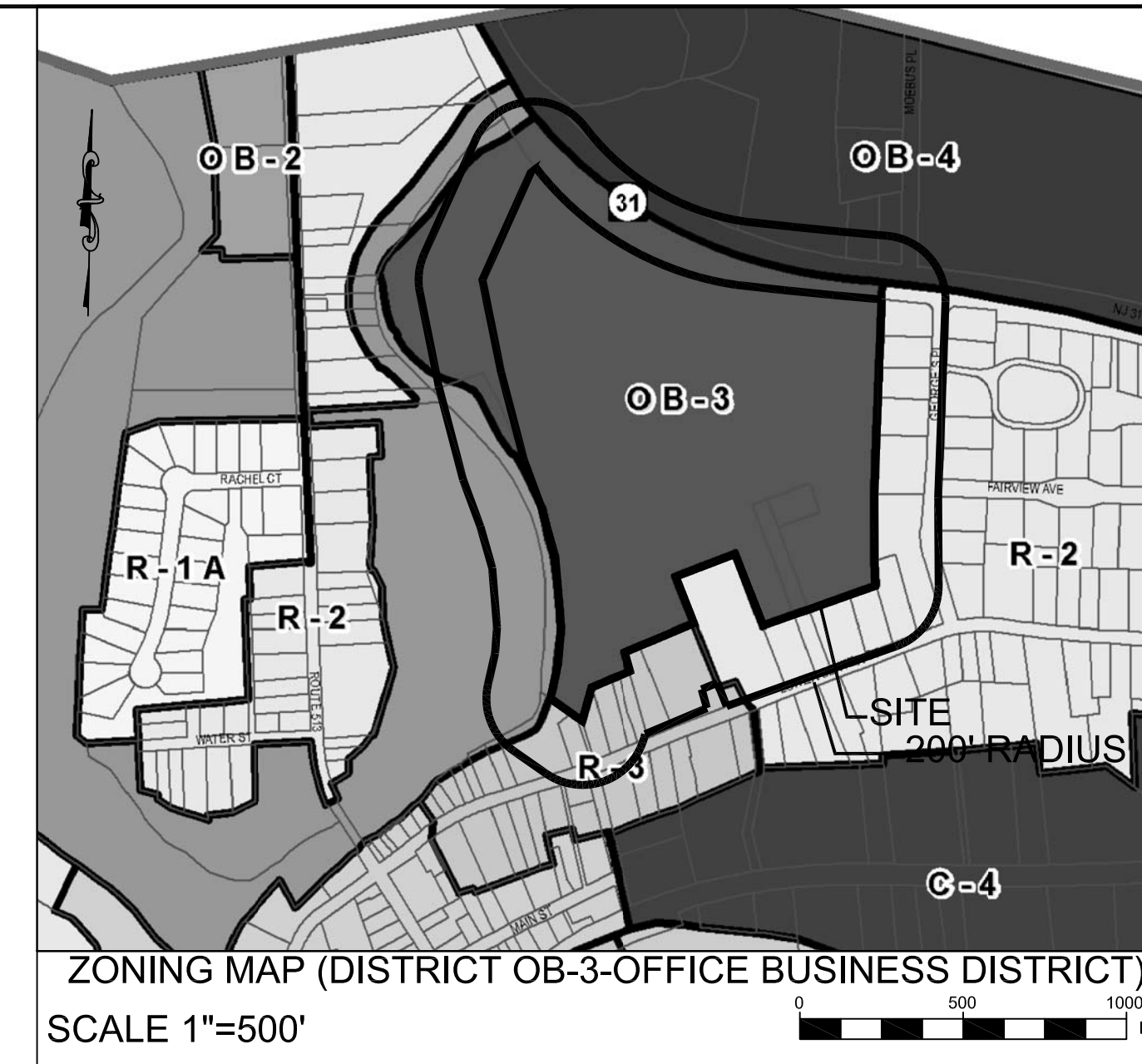
PREPARED BY  
**ENGINEERING & LAND PLANNING ASSOCIATES, INC.**  
140 WEST MAIN STREET, HIGH BRIDGE, NEW JERSEY 08829

## PLAN INDEX SHEET No. TITLE

1. COVER SHEET
2. PLAN OF SURVEY
3. OVERALL SITE PLAN
4. SITE PLAN - NORTH
5. SITE PLAN - SOUTH
6. GRADING PLAN - NORTH
7. GRADING PLAN - SOUTH
8. DRAINAGE AND UTILITY PLAN - NORTH
9. DRAINAGE AND UTILITY PLAN - SOUTH
10. LIGHTING PLAN
11. PLAN AND PROFILE OF ROUTE #31
12. PLAN AND PROFILE OF CLINTON COMMONS DRIVE
13. PLAN AND PROFILE OF PLYMOUTH DR. & LANCASTER DR.
14. PLAN AND PROFILE OF STRATFORD DR. & LANCASTER DR.
15. PLAN AND PROFILE OF CENTER AVE. & UTILITY
16. OFFSITE WATER MAIN PLAN,  
SECTIONS OF LANCASTER DR & RIPARIAN PERMIT PLAN
17. SECTIONS OF CLINTON COMMONS DR, PLYMOUTH DR,  
STRATFORD DR, BUCKINGHAM DR
18. PROFILE OF PROP. UTILITY
19. SOIL EROSION AND SEDIMENT CONTROL PLAN
20. SOIL EROSION AND SEDIMENT CONTROL DETAILS
21. STANDARD CONSTRUCTION DETAILS - I
22. STANDARD CONSTRUCTION DETAILS - II

### OUTSIDE AGENCY APPROVALS:

1. COUNTY APPROVAL
2. COUNTY SOIL CONSERVATION DISTRICT APPROVAL
3. NJDOT ACCESS PERMIT
4. NJDEP FLOOD HAZARD AREA PERMIT
5. NJDEP WETLANDS DISTURBANCE PERMIT
6. HIGHLANDS MUNICIPAL REFERRAL APPLICATION



### GENERAL NOTES:

1. OWNER: AMBE HOLDINGS AT CLINTON, LLC  
3 MEHA COURT  
MANAPLAN, NJ 07726
- APPLICANT: CLINTON MOBESUS 34, LLC  
C/O DAVID MEISIK  
9 KENT PLACE, FREEHOLD, NJ 07728
2. BOUNDARY INFORMATION SHOWN HEREON WAS TAKEN FROM A PLAN ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY", PREPARED BY ENGINEERING & LAND PLANNING ASSOC., INC., DATED 6/30/16 OR LAST REVISED.
3. THESE PLANS ARE NOT TO BE USED AS SURVEYS. REFER TO REFERENCE SOURCES FOR BOUNDARY AND TOPOGRAPHIC INFORMATION (NOTE # 2 ABOVE).
4. ALL ELEVATIONS GIVEN ARE ON NAVD 1988 DATUM.
5. THE SUBJECT PARCEL, BLOCK 14, LOT 32 CONSISTS OF 1,222.492 S.F. (28,065 ACRES).
6. NO DEED RESTRICTIONS OR COVENANTS ARE PROPOSED FOR THE SITE.

### NOTES:

1. SEE ENGINEERING DETAIL SHEETS FOR ALL SITE DETAILS AND SUPPORTING NOTES.
2. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED FOR CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED ON THE DRAWINGS AND EACH DRAWING HAS BEEN MARKED "ISSUED FOR CONSTRUCTION."
3. THE LOCATION, TYPE, LINE, SIZE, DEPTH, ETC. OF ALL EXISTING UTILITIES, ARE APPROXIMATE. LOCATION OF SERVICE LATERALS MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND AT HIS OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION.

TOWN OF CLINTON ZONING REQUIREMENTS		
ITEM	REQUIRED	PROPOSED LOT 32.01
ZONING DISTRICT	C-5 (ROUTE 31 COMMERCIAL DISTRICT)	
MIN LOT AREA (S.F.)	N/A	292,899 S.F.
BUILDING SETBACKS FOR PRINCIPAL STRUCTURE		
FRONT YARD SETBACK (FT)	50 FT	59.6 FT
SIDE YARD SETBACK (FT)	100 FT	101.1 FT
REAR YARD SETBACK (FT)	50 FT	450.69 FT
TO PROPERTY BOUNDARY		
MAX FLOOR AREA RATIO	30%	5.57% *
MAX IMPERVIOUS COVERAGE	55%	37.1% *
PARKING SETBACKS		
FRONT YARD SETBACK (FT)	5 FT	13.9 FT
FRONT YARD SETBACK FROM EOP	30 FT	30.6 FT
SIDE YARD SETBACK (FT)	50 FT	51 FT
SETBACK FROM INTERNAL PL (FT)	10 FT	2 FT*
REAR YARD SETBACK (FT)	25 FT	410.26 FT
TO PROPERTY BOUNDARY		
PARKING REQUIREMENT (SPACES)		
1 SPACE/80 SF, PATRON AREA		FAST FOOD : 800/80= 17 (24 PROVIDED)
1 SPACE/180 SF, RETAIL AREA		CONVENIENCE : 5494/80 = 31.52 (75 PROVIDED)
		FOOD MARKET : 21998/150=122.21 (97 PROVIDED)

- (V) INDICATES THAT A VARIANCE IS REQUIRED  
(\*) INDICATES NO VARIANCE IS REQUIRED  
(ENC) INDICATES AN EXISTING NON-CONFORMING CONDITION  
\* 226,074 S.F. (5.19 AC) OPEN SPACE AREA INCLUDED

TOWN OF CLINTON ZONING REQUIREMENTS		
ITEM	REQUIRED	PROPOSED LOT 32
ZONING DISTRICT	MF-1 (MULTI FAMILY HOUSING DISTRICT)	
MIN LOT AREA (S.F.)	15 AC.	9.89 AC. V
BUILDING SETBACKS FOR PRINCIPAL STRUCTURE		
MIN NUMBER OF UNIT PER BLDG	3 UNITS	3 UNITS
DENSITY	56 UNITS	56 UNITS
IMPERVIOUS COVERAGE	35%	24.0%*
BLDG SETBACK FROM TRACK	50 FT	50 FT
BLDG SETBACK FROM INTERNAL ROAD	15 FT	15 FT
MIN DIST BETWEEN BLDG	20 FT	20 FT
MAX DEPTH OF DECK/PATIO	10 FT	10 FT
MAX DECK/PATIO EXT INTO BUFFER	7 FT	10 FT V
MAX STORES	2 1/2	2 1/2
MAX BUILDING HEIGHT	35 FT	< 35 FT
MAX HEIGHT FOR WALKOUT BLDG	45 FT	< 45 FT

- (V) INDICATES THAT A VARIANCE IS REQUIRED  
(\*) INDICATES NO VARIANCE IS REQUIRED  
(ENC) INDICATES AN EXISTING NON-CONFORMING CONDITION  
\* 276,701 S.F. (6.35 AC) OPEN SPACE AREA INCLUDED

### CERTIFICATIONS/APPROVALS

MUNICIPALITY  
THIS PLAN IS HEREBY APPROVED BY THE PLANNING BOARD OF THE TOWN OF CLINTON, HUNTERDON COUNTY

DATE	BOARD CHAIRMAN
DATE	BOARD SECRETARY
DATE	ENGINEER

I HEREBY CERTIFY THAT I AM THE PRESENT OWNER OF THE REFERENCED PROPERTY AND THAT I CONSENT TO THE FILING OF THIS MAJOR SUBDIVISION PLAN WITH THE PLANNING BOARD OF THE TOWN OF CLINTON.

DATE: BEENA HALARI  
AMBE HOLDINGS OF CLINTON, LLC

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIALLY FOR USE BY THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH. 908-238-0544 FAX. 908-238-0572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
3	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020  
DATE: WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24GB04258200

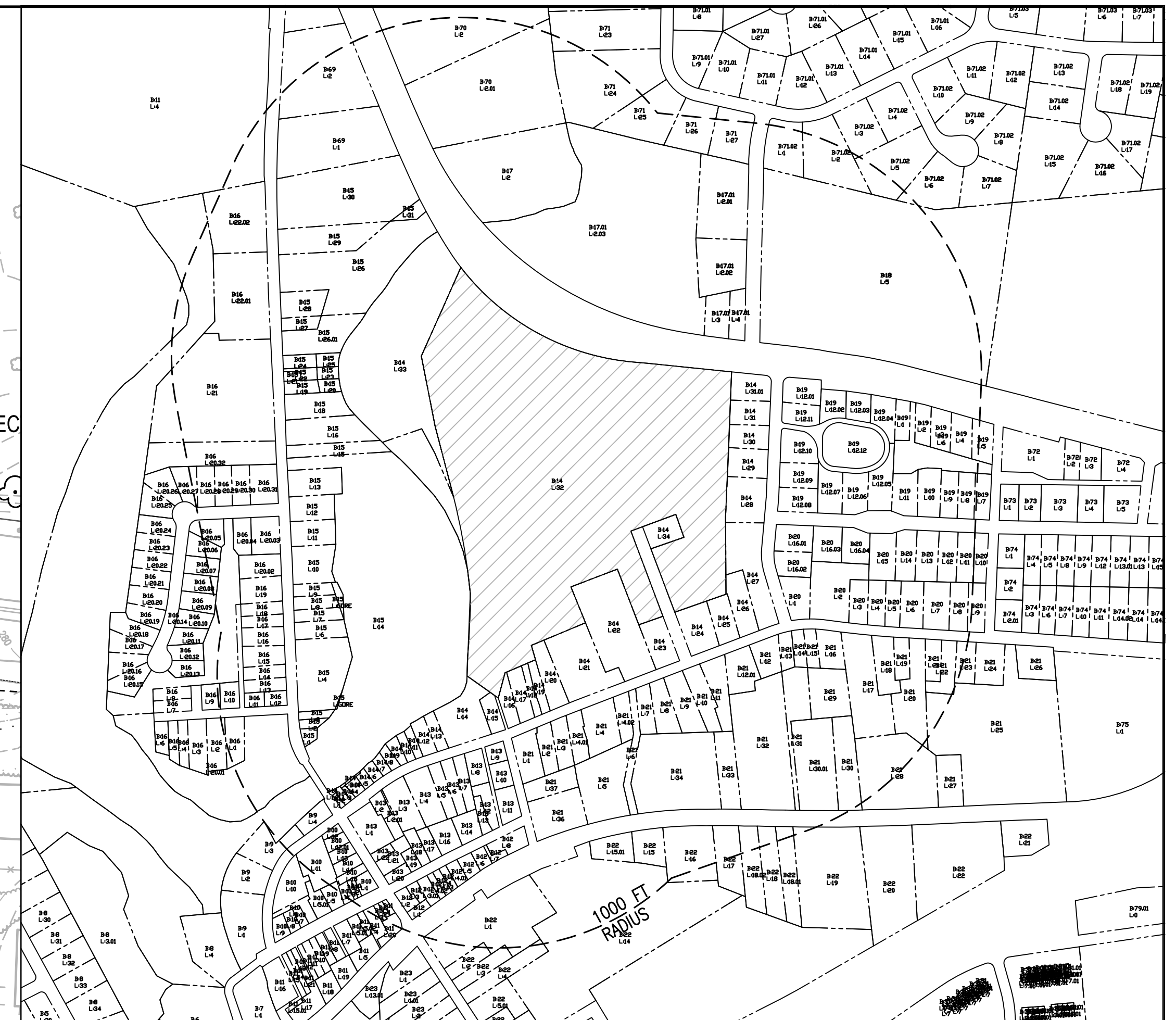
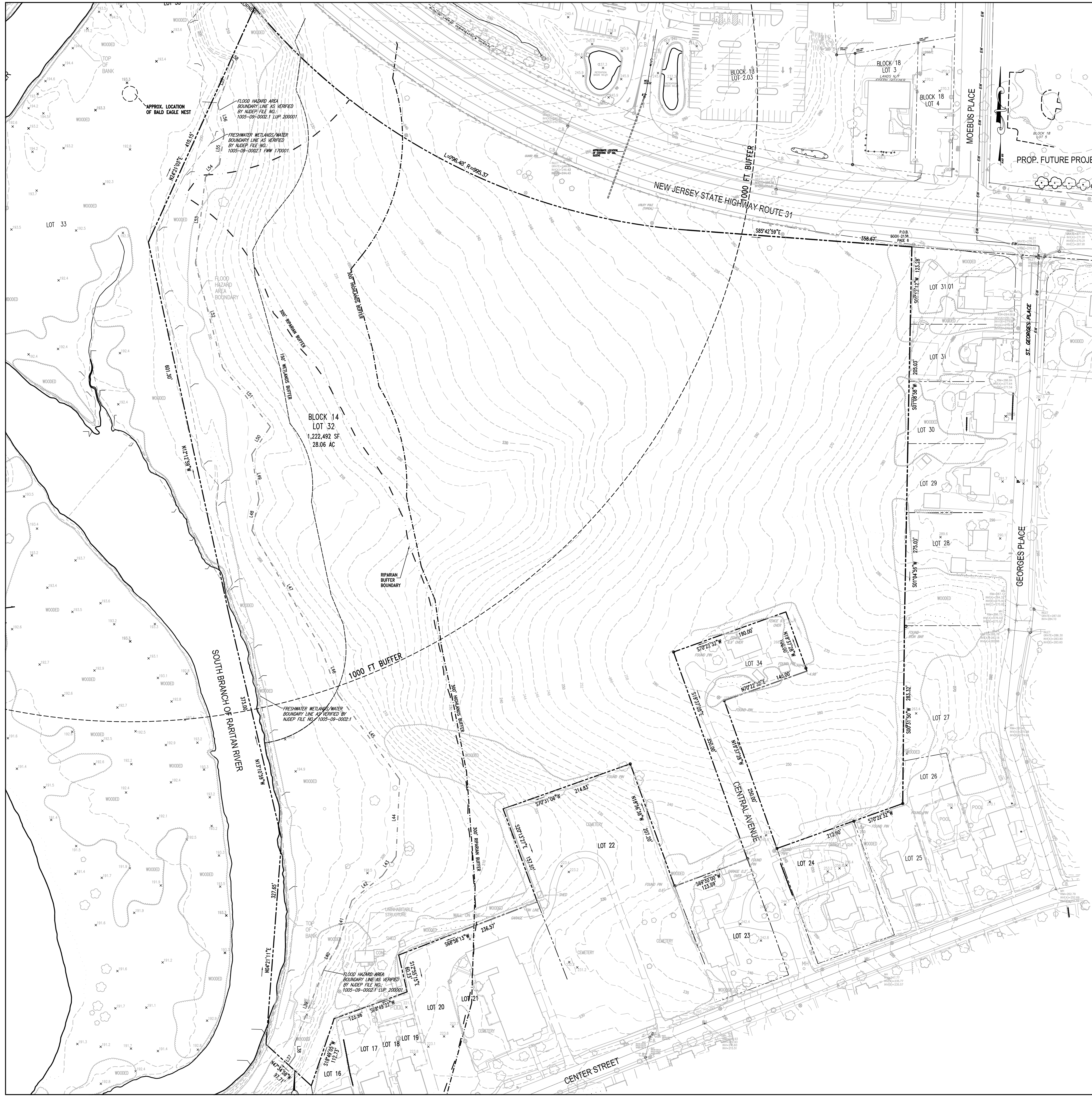
PROJECT: CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON

HUNTERDON COUNTY NEW JERSEY

TITLE: COVER SHEET

JOB NO.:	8144/32606	DRAWING NO.:	1
SCALE:	NTS		
DESIGNED:	BH		
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		22





KEY MAP SCALE: 1"=400'

**SURVEY REFERENCE:**

- DEED BOOK 2138 PAGE 8
- AERIAL TOPOGRAPHIC PLAN BY MID-ATLANTIC PHOTOGRAMMETRY SERVICES, INC. P.A. DATED 4-16-2009
- PARTIAL TOPOGRAPHIC PLAN BY STUDDER & MCLEOD/DOWNY, P.A. DATED 10-28-1998.

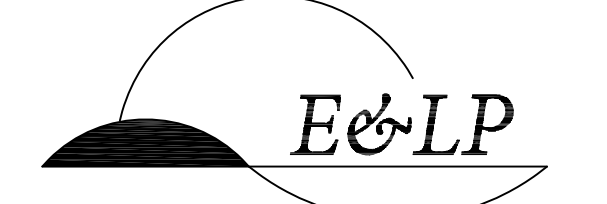
LINE	LENGTH	BEARING
L1	71.35	N51°08'13"W
L2	22.72	S24°31'06"W
L3	66.12	S39°25'21"W
L4	73.43	S21°18'32"E
L5	56.18	S07°53'48"W
L6	92.21	S22°30'21"E
L7	77.48	S38°12'25"W
L8	98.73	S26°28'19"W
L9	101.93	S05°18'34"E
L10	57.76	S16°14'40"E
L11	95.47	S15°06'10"E
L12	123.44	S09°55'22"E
L13	40.32	S41°42'59"E
L14	35.23	S05°52'51"W
L15	125.04	S11°55'13"E
L16	14.28	S31°21'19"W
L17	100.27	S22°28'52"E
L18	49.83	S08°03'47"E
L19	88.23	S11°48'55"E
L20	100.95	S10°55'19"E
L21	150.37	S04°14'31"E
L22	133.52	S01°41'37"W
L23	102.08	S15°10'19"W
L24	54.17	S25°00'11"W
L25	52.23	N30°36'42"W
L26	51.52	N28°32'59"W
L27	53.35	N32°35'59"W
L28	125.52	N32°58'21"W
L29	39.53	N59°08'55"W
L30	52.08	N25°48'18"W
L31	64.93	N13°08'09"W
L32	34.02	S05°14'50"W
L33	34.21	S19°07'02"E
L34	39.74	S00°55'55"W

LINE	LENGTH	BEARING
L37	17.26	N37°03'37"E
L38	20.04	N07°55'31"E
L39	172.35	N23°00'47"E
L40	74.00	N18°20'29"E
L41	59.11	N52°09'40"E
L42	43.44	N20°32'42"E
L43	118.90	N01°42'14"E
L44	184.96	N33°52'24"W
L45	55.85	N16°57'05"W
L46	200.18	N31°00'13"W
L47	197.92	N00°56'41"W
L48	41.64	N26°24'30"W
L49	34.56	N50°13'56"W
L50	99.21	N14°53'55"W
L51	115.97	N22°38'53"W
L52	211.20	N14°43'45"E
L53	97.95	N19°12'13"E
L54	2.66	N61°40'32"W

**GENERAL NOTES**

- THIS PLAN REPRESENTS A SURVEY MADE ON THE GROUND.
- THIS SURVEY WAS PREPARED WITH A TITLE REPORT PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY. COMMITMENT NO. ZT-1386 DATED MARCH 2, 2016.
- IF THIS PLAN DOES NOT CONTAIN AN ORIGINAL SIGNATURE AND IMPRESSION SEAL OF THE UNDERSIGNED LICENSED LAND SURVEYOR IT IS NOT AN AUTHENTIC COPY AND MAY HAVE BEEN ALTERED.
- R.O.W. LINES AND ADJOINING PROPERTY LINES SHOWN HEREON WERE TAKEN FROM THE TAX MAPS FOR THIS MUNICIPALITY.
- THIS SURVEY IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD, WRITTEN AND UNWRITTEN.
- THIS SURVEY MAKES NO REPRESENTATION TO THE LOCATION OF ANY SUB-SURFACE UTILITIES OR STRUCTURES THAT WERE NOT VISIBLE AT THE TIME OF THIS SURVEY.
- A WRITTEN WAIVER AND DIRECTION NOT TO SET CORNER MARKERS HAS BEEN OBTAINED FROM "THE ULTIMATE USER" PURSUANT TO P.L.2003, C.14 N.J.S.A. C45:8-36.3 AND N.J.A.C.13:40-5.1(D).
- THIS LAND SURVEY IS PREPARED FOR THE BENEFIT OF THE PARTIES LISTED AND IS NOT PREPARED FOR OR CERTIFIED TO SUBSEQUENT PARTIES.

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THE PROJECT AT THE TIME OF THIS SURVEY. NO OTHER PARTIES OR INDIVIDUALS SHOULD BE RELIED UPON FOR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH: 908-238-0544 FAX: 908-238-0572  
 A PROFESSIONAL ASSOCIATION  
 CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP: 8/31/2022

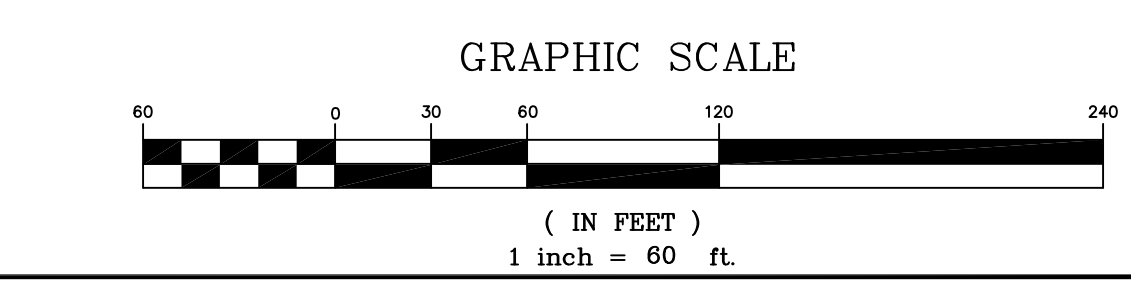
NO.	REVISION	BY	DATE
3	TWP REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020 DATE *WJH*  
 WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04286200

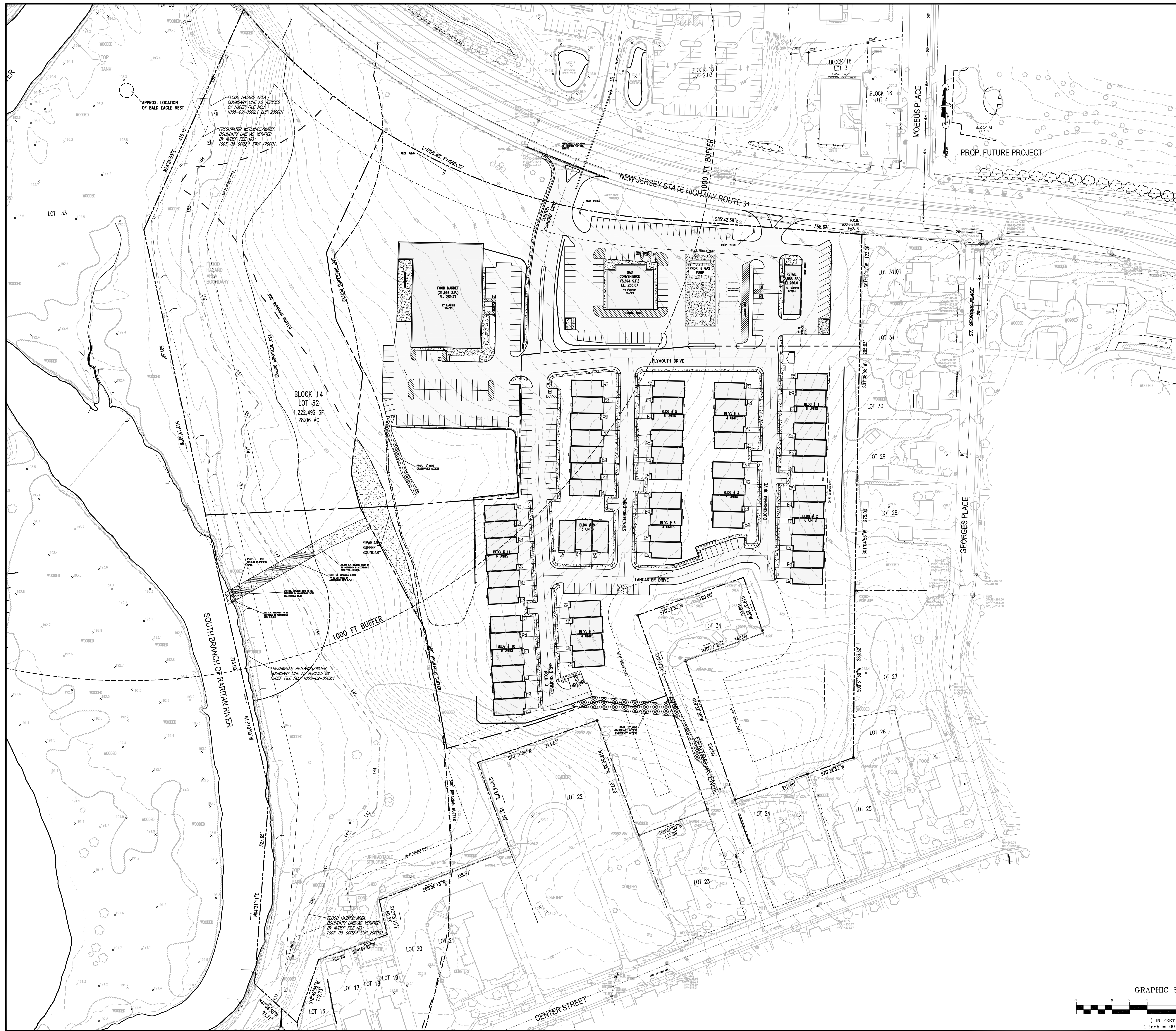
PROJECT: CLINTON COMMONS  
 MINOR SUBDIVISION AND SITE PLAN  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

TITLE: PLAN OF SURVEY

JOB NO.: 8144/32606	DRAWING NO.: 2
SCALE: 1"=60'	22
CHECKED: BH	
DATE: 12/03/2020	

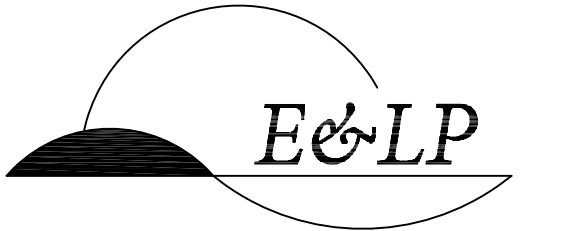






- GENERAL NOTES:**
- THE PROPERTY IS KNOWN AS LOTS 32 IN BLOCK 14 AS SHOWN ON THE OFFICIAL TAX MAPS #6 OF THE TOWN OF CLINTON, HUNTERDON COUNTY, NJ.
  - OUTBOUND SURVEY ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY OF PROPERTY, LOTS 1, 12, 422" PREPARED BY CREST ENGINEERING ASSOCIATES, DATED 8-19-18.
  - TOTAL LOT AREA: 1,222,492 S.F. (28.06 ACRES).
  - THE PROPERTY IS LOCATED IN MF-1 AND G-5 ZONING DISTRICT. APPLICANT IS PROPOSING TO CONSTRUCT THREE RETAIL BUILDING OF TOTAL 30,250 S.F. IN G-5 ZONE AND 56 TOWNHOMES IN MF-1 ZONE.
  - PARKING REQUIREMENTS:**
    - COMMERCIAL PARKING REQUIREMENT:**
      - RETAIL SPACE: 1 SPACE / 180 S.F. OF RETAIL MERCHANDISING AREA = 119 SPACES (5648 - 21800/180) = 123.34 SPACES
      - RESTAURANT: 1 SPACE / 50 OF PATRON AREA
      - TOTAL REQUIRED PARKING FOR COMMERCIAL AREA = 170.84 SPACES
      - PROPOSED SPACES = 231 SPACE
    - RESIDENTIAL PARKING REQUIREMENT:**
      - TOWNHOMES PARKING REQ. = 2.4 SPACE / UNIT
      - = 84 \* 2.4 = 144 SPACES REQ.
      - THEREFORE EACH UNIT PROVIDES 3.5 PARKING SPACE = 56 \* 3.5 = 196 SPACE
      - OFF STREET PARKING = 54 PARKING
      - TOTAL SPACES PROVIDED = 196 + 53 + 249 SPACE > 134.4 REQ.
  - SIGN REQUIREMENTS:**
    - SIGN TO COMPLY WITH SECTION 88.64 WITH REGARD TO ALL SIGN REQUIREMENTS FOR C-3 ZONE EXCEPT FOLLOWING:
      - A. MAX GROUND SIGN REQUIREMENT = 80 S.F.
      - B. MAX SIGN HEIGHT = 15 FT.
      - C. MAX SIGN WIDTH = 8 FT.
  - NONE OF THE PROPOSED DEVELOPMENT IS LOCATED WITHIN FLOODPLAIN OR FLOOD HAZARD AREA LIMITS.
  - FRESHWATER WETLANDS/WATER BOUNDARY LINE AS VERIFIED BY NJDEP FILE NO. 1005-09-0002-1; FWV 170001
  - PROPOSED LOT NUMBERS SHALL BE APPROVED BY THE TOWN OF CLINTON TAX ASSESSOR.
  - ALL UTILITIES SHALL BE INSTALLED UNDERGROUND.
  - HOUSE NUMBERS TO BE ASSIGNED BY POSTMASTER.
  - PROPOSED BUILDINGS TO BE SERVED BY PUBLIC SEWER AND WATER.
  - THIS PRELIMINARY MAJOR SITE PLAN WILL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED ON THE DRAWING AND THE DRAWING HAS BEEN REVISED TO INDICATE ISSUES FOR CONSTRUCTION.
  - EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION BY CONTACTING THE UNDERGROUND UTILITY PLANT LOCATION SERVICES (1-800-272-1000) TO OBTAIN A MARKOUT OF THE UTILITIES.
  - WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIAL AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS.
  - THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON, AND/OR IF SUCH CONDITIONS IN THE CONTRACTOR'S OPINION SHOULD OR COULD RENDER THE DESIGN SHOWN HEREON AS INAPPROPRIATE OR INEFFECTIVE.
  - ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. ARE SCHEMATIC ONLY, EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.
  - ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION FOR SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH ONE OR MORE OF THE FOLLOWING:
    - A. N.J. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED, CURRENTLY
    - B. CURRENT PREVAILING MUNICIPAL AND/OR COUNTY SPECIFICATIONS, STANDARDS AND REQUIREMENTS.
    - C. CURRENT PREVAILING UTILITY COMPANY AUTHORITY SPECIFICATIONS, STANDARDS AND REQUIREMENTS.
  - 48 HOURS NOTICE MUST BE PROVIDED TO THE TOWNSHIP ENGINEER PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS.
  - PHASE PHASING:**
    - PHASE I - 30 TOWNHOMES
    - PHASE II - 20 TOWNHOMES
    - PHASE III - PROPOSED 2508 S.F. RETAIL PAD
    - PHASE IV - PROPOSED GAS CONVENIENCE PAD
    - PHASE V - PROPOSED FOOD MARKET
  - A KNOX BOX ACCESS SYSTEM TO BE INSTALLED FOR EACH COMMERCIAL STRUCTURE WITH THE LOCATION DETERMINED AFTER CONSULTATION WITH THE CLINTON FIRE MARSHAL AND CLINTON FIRE CHIEF OR HIS DESIGNEE.
  - ADEQUATE ACCESS INTO AND THROUGHOUT THE CONSTRUCTION SITE BE MAINTAINED FOR THE FIRE DEPARTMENT (AND ALL FIRST RESPONDERS) AT ALL TIMES OF CONSTRUCTION.
  - FIRE HYDRANTS MUST BE ACTIVE, TESTED AND APPROVED IN THE IMMEDIATE AREA PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORK.
  - ROAD IDENTIFICATION SIGNAGE SHOULD BE IN PLACE (EVEN IF TEMPORARY) DURING THE CONSTRUCTION SUCH THAT ALL EMERGENCY FIRST RESPONDERS WILL BE ABLE TO EASILY NAVIGATE THE CONSTRUCTION SITE.
  - THE ROOF AND/OR FLOOR TRUSS SIGNAGE THAT WOULD BE REQUIRED FOR THE BUILDING IF TRUSSES ARE PLANNED TO BE USED. TYPICALLY, THIS SIGNAGE IS PLACED ON THE LEFT OF ENTRANCE OF THE BUILDING ON MONUMENT TYPE SIGNS. A DETAIL OF TYPICAL SIGNAGE IS PROVIDED ON DETAIL SHEET.
  - THE CONSTRUCTION OF THE WATER AND SEWER WITHIN THE CENTRAL AVE TO BE REVIEWED FOR ACCESS TO EXISTING HOME OWNERS PRIOR TO CONSTRUCTION BEGINS.
  - IN ORDER TO PREVENT ADVERSE IMPACTS TO NESTING EGGS, NO WORK IS PERMITTED WITHIN 1000' OF THE NEST, JANUARY 1ST THROUGH JULY 31ST. SPECIFICALLY, THIS INCLUDES THE PROPOSED OUTFALL THAT FALLS WITHIN AREAS REGULATED UNDER THE FLOOD HAZARD AREA CONTROL ACT RULES AND FRESHWATER WETLAND PROTECTION ACT RULES.
  - STRUCTURAL DESIGN OF THE PROP RETAINING WALLS PREPARED BY A PROFESSIONAL ENGINEER TO BE PROVIDED PRIOR TO CONSTRUCTION.

COPYRIGHT 2018 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THE SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH. 908-238-0544 FAX. 908-238-5572  
 A PROFESSIONAL ASSOCIATION  
 CERTIFICATE OF AUTHORIZATION NO.: 24GA2012500 EXP. 8/31/2022

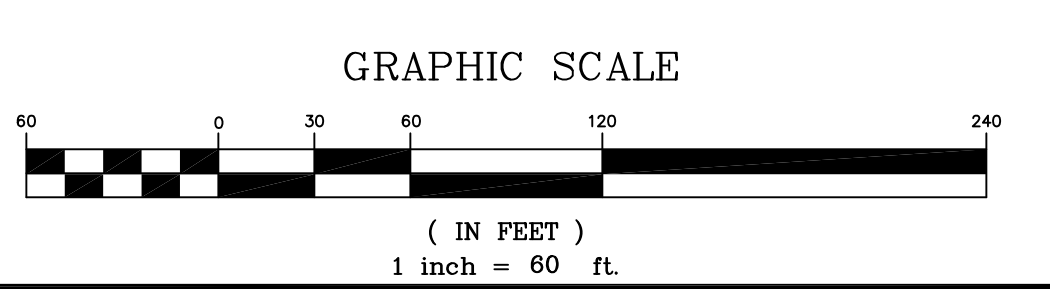
NO.	REVISION	BY	DATE
5	TWP REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020  
 DATE  
 WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04258200

PROJECT:  
**CLINTON COMMONS  
 MINOR SUBDIVISION AND SITE PLAN**  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

TITLE:  
**OVERALL SITE PLAN**

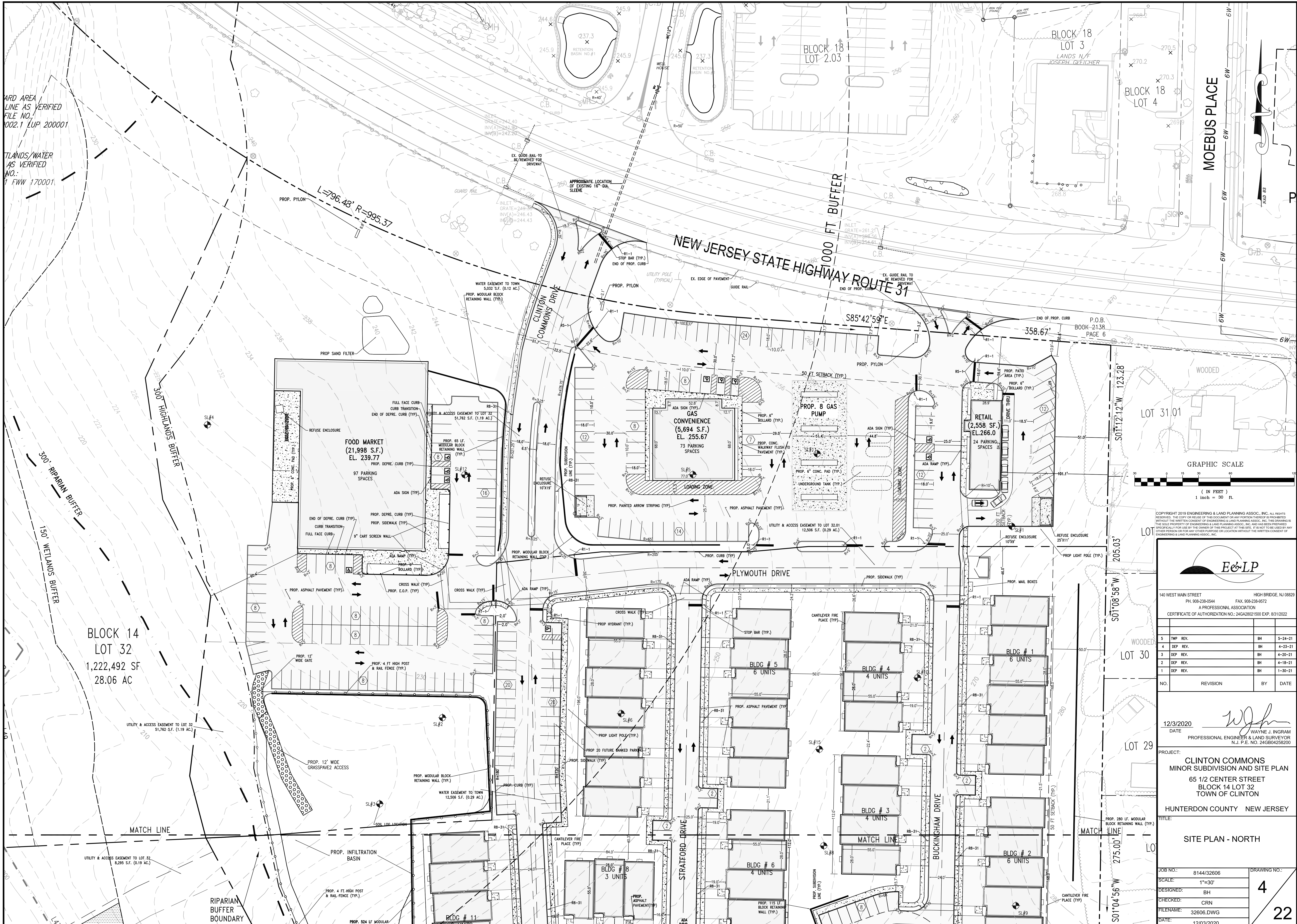
JOB NO.:	8144/32606	DRAWING NO.:	<b>3</b> <b>22</b>
SCALE:	1"=60'		
DESIGNED:	BH		
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		



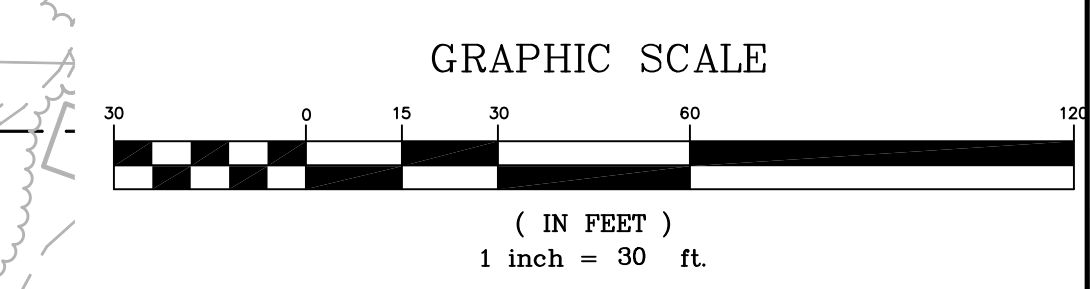


WARD AREA  
LINE AS VERIFIED  
FILE NO. 1002.1 LUP 200001

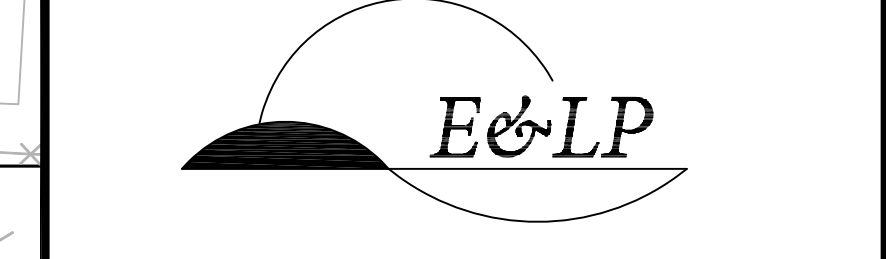
LANDS/WATER  
AS VERIFIED  
NO. 1 FWW 170001



BLOCK 14  
LOT 32  
1,222,492 SF  
28.06 AC



GRAPHIC SCALE  
( IN FEET )  
1 inch = 30 ft.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH. 908-238-0544 FAX. 908-238-9572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO. 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020  
DATE  
WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24GB04250200

PROJECT:  
CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON  
HUNTERDON COUNTY NEW JERSEY

TITLE:  
SITE PLAN - NORTH

JOB NO.:	8144/32606	DRAWING NO.:	4
SCALE:	1"=30'	CHECKED:	CRN
DESIGNED:	BH	DATE:	12/03/2020
FILENAME:	32606.DWG		

22





MATCH LINE

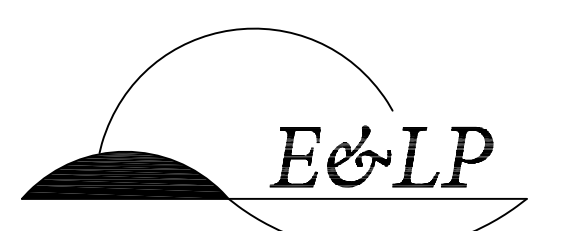
UTILITY & ACCESS EASEMENT TO LOT 32  
8,295 S.F. (0.19 AC.)

1000 FT BUFFER  
LOT 32.03  
276,701 S.F.  
6.35 AC.

FRESHWATER WETLANDS/WATER  
BOUNDARY LINE AS VERIFIED BY  
NJDEP FILE NO. 1005-09-0002.1

FLOOD HAZARD AREA  
BOUNDARY LINE AS VERIFIED  
BY NJDEP FILE NO. 1005-09-0002.1 LUP 200001

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THIS DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PROVIDED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH. 908-238-0544 FAX. 908-238-9572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO. 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

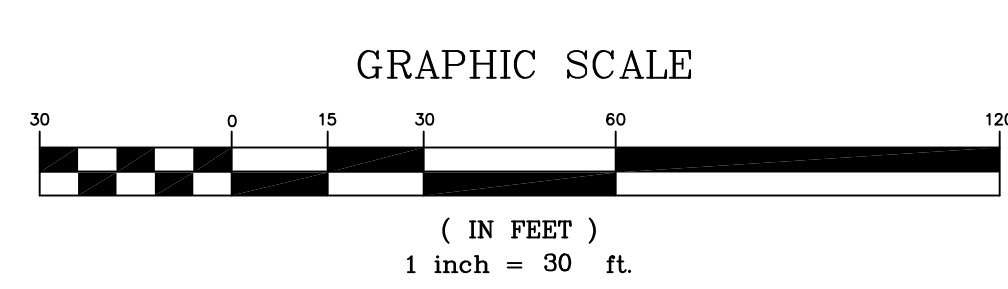
12/3/2020 DATE  
WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24GB04256200

PROJECT:  
CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON

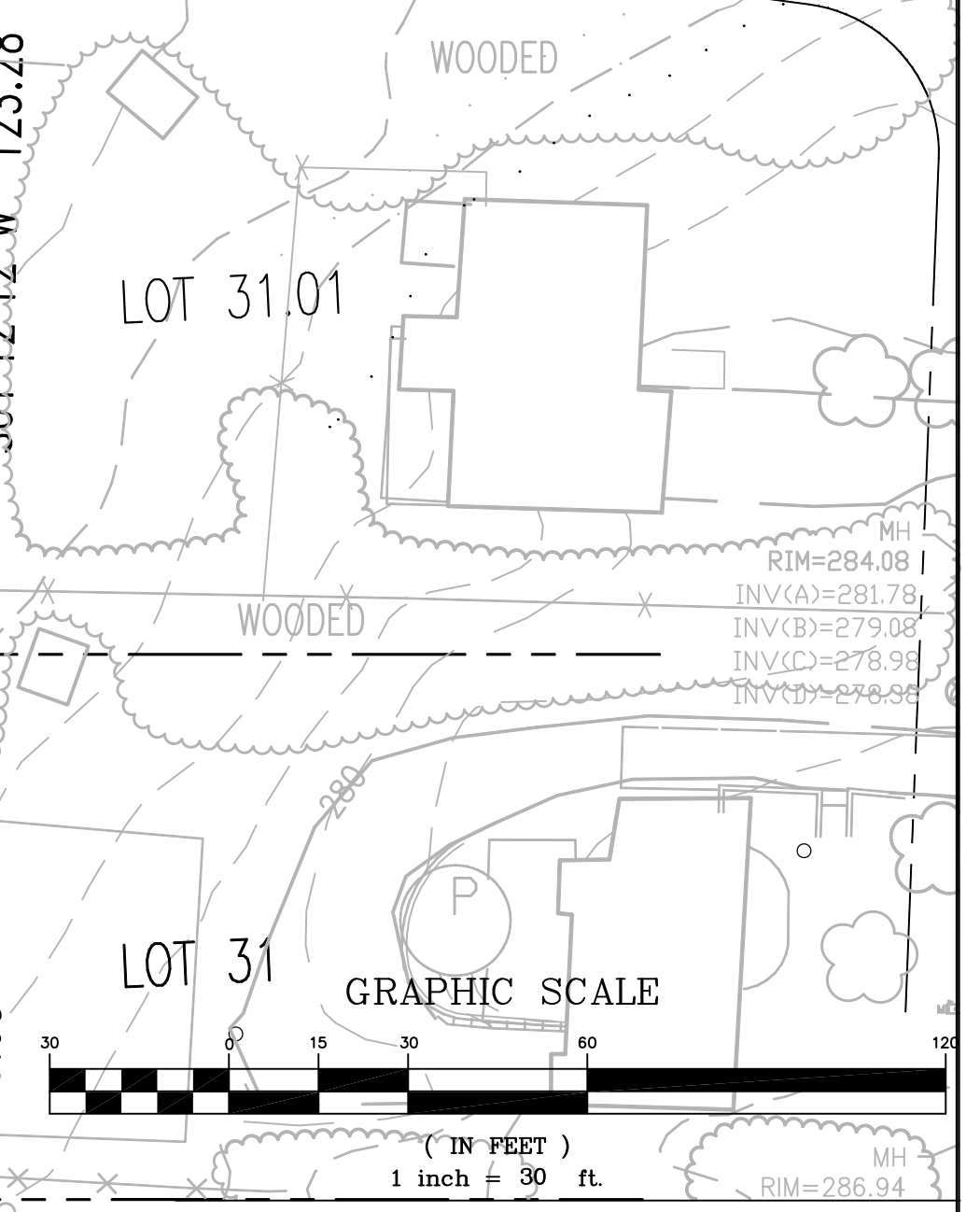
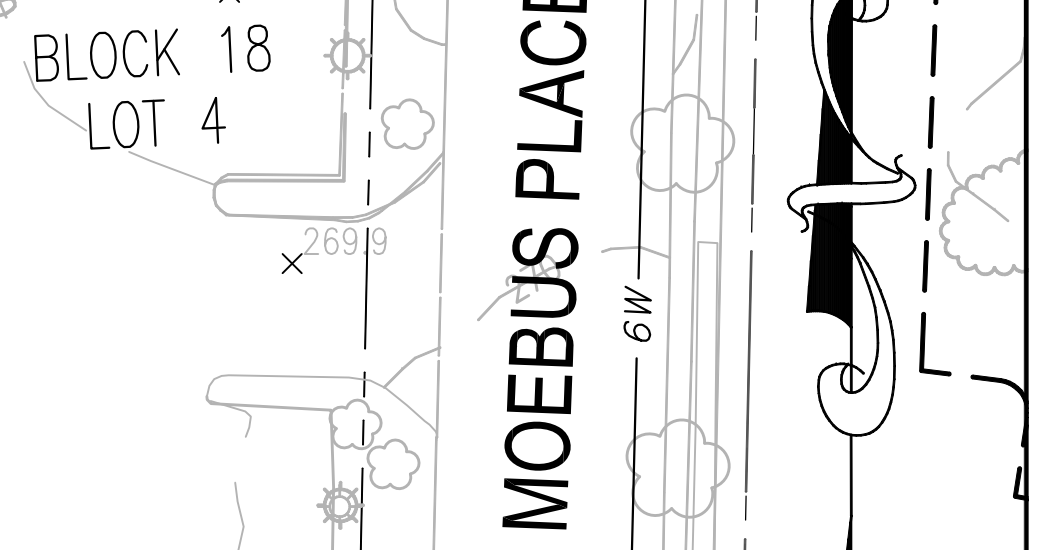
HUNTERDON COUNTY NEW JERSEY

TITLE:  
SITE PLAN - SOUTH

JOB NO.:	8144/32606	DRAWING NO.:	5
SCALE:	1"=30'		22
DESIGNED:	BH		
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		







Copyright 2019 Engineering & Land Planning Assoc., Inc. All rights reserved. The copy or reuse of this document or any portion thereof is prohibited without the written consent of Engineering & Land Planning Assoc., Inc. The drawings are the sole property of Engineering & Land Planning Assoc., Inc. and have been prepared specifically for use by the owner of this project at this site. It is not to be used for any other project or for any other site or location without the written consent of Engineering & Land Planning Assoc., Inc.

**BLOCK 14 LOT 32**  
1,222,492 SF  
28.06 AC

<b>E&amp;LP</b>			
140 WEST MAIN STREET PH. 908-238-0544		HIGH BRIDGE, NJ 08929 FAX. 908-238-0572	
A PROFESSIONAL ASSOCIATION			
CERTIFICATE OF AUTHORIZATION NO.: 24G2021500 EXP. 8/31/2022			
NO.	REVISION	BY	DATE
3	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21
<p>12/3/2020 DATE</p> <p style="text-align: right;"><i>Wayne J. Ingram</i> WAYNE J. INGRAM PROFESSIONAL ENGINEER &amp; LAND SURVEYOR N.J. P.E. NO. 24G804286200</p>			
<p><b>PROJECT:</b> CLINTON COMMONS MINOR SUBDIVISION AND SITE PLAN 65 1/2 CENTER STREET BLOCK 14 LOT 32 TOWN OF CLINTON HUNTERDON COUNTY NEW JERSEY</p>			
<b>TITLE:</b> GRADING PLAN - NORTH			
JOB NO.: 8144/32606		DRAWING NO.: 6	
SCALE: 1"=30'		<b>22</b>	
DESIGNED: BH			
CHECKED: CRN			
FILENAME: 32606.DWG		DATE: 12/03/2020	





FRESHWATER WETLANDS/WATER BOUNDARY LINE AS VERIFIED BY NJDEP FILE NO. 1005-09-0002.1

LOT 32.03  
276,701 S.F.  
6.35 AC.

FLOOD HAZARD AREA BOUNDARY LINE AS VERIFIED BY NJDEP FILE NO. 1005-09-0002.1 LUP 200001

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THIS DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THE SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.

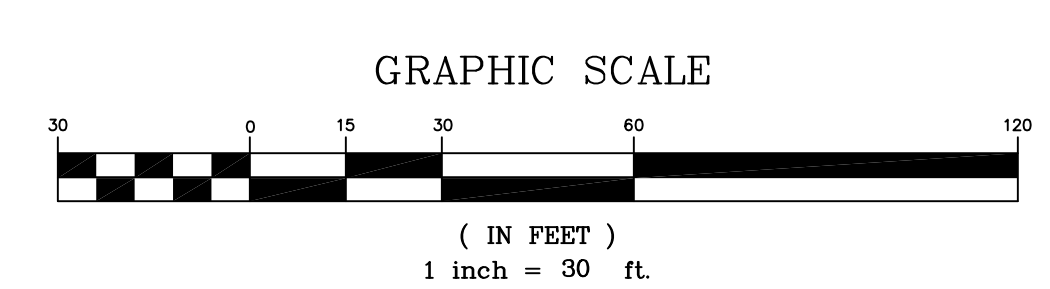
140 WEST MAIN STREET HIGH BRIDGE, NJ 08829 PH: 908-238-0544 FAX: 908-238-6572			
A PROFESSIONAL ASSOCIATION			
CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP. 8/31/2022			
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21
NO.	REVISION	BY	DATE

12/3/2020 DATE  
  
 WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04258200

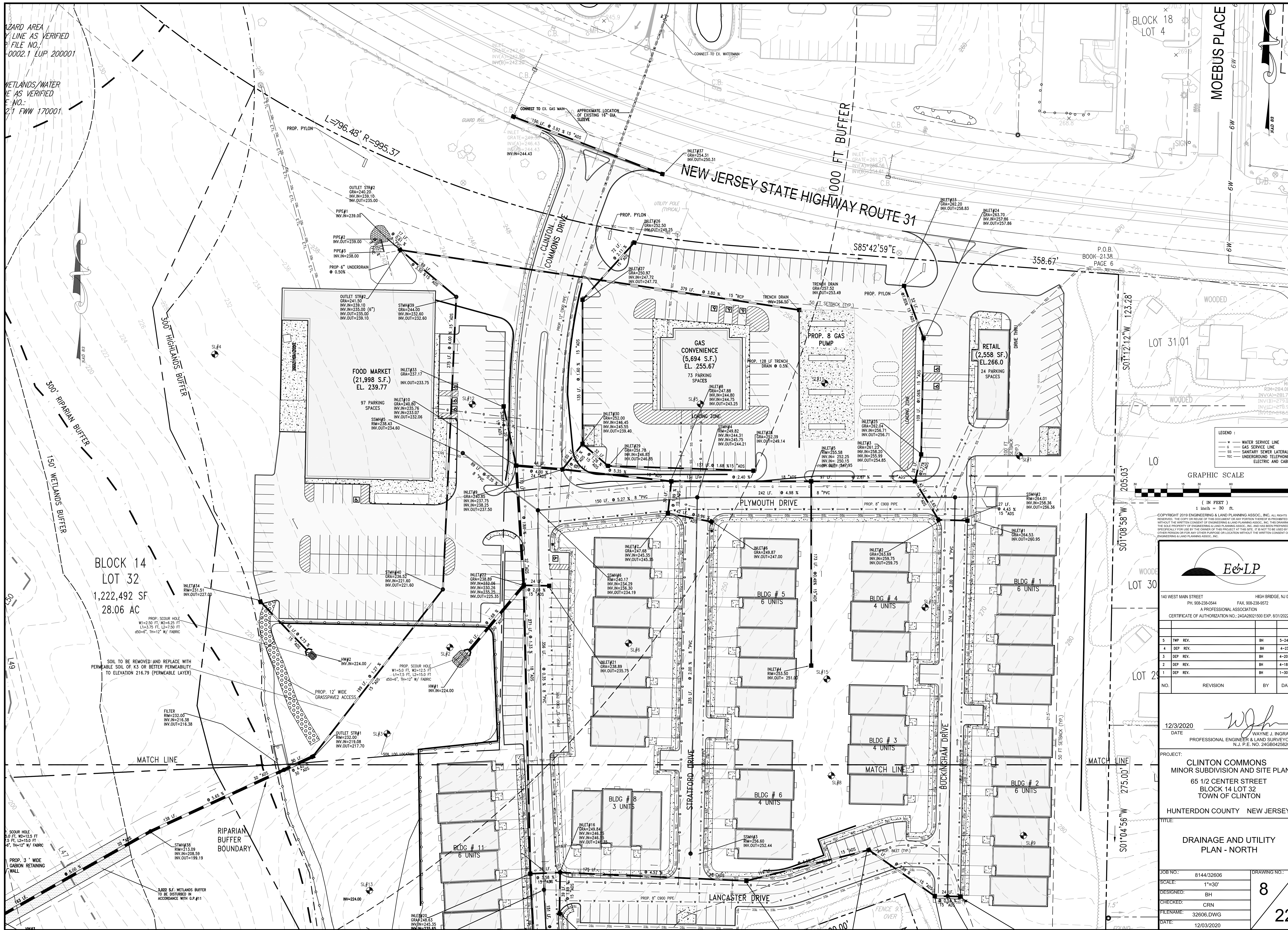
PROJECT:  
 CLINTON COMMONS  
 MINOR SUBDIVISION AND SITE PLAN  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

TITLE:  
 GRADING PLAN - SOUTH

JOB NO.:	8144/32606	DRAWING NO.:	7
SCALE:	1"=30'		22
DESIGNED:	BH		
CHECKED:	CRN		
FILENAME:	32806.DWG		
DATE:	12/03/2020		







HAZARD AREA  
LINE AS VERIFIED  
FILE NO.:  
-0002.1 LUP 200001

WETLANDS/WATER  
LINE AS VERIFIED  
FILE NO.:  
2/1 FWW 170001

BLOCK 18  
LOT 4

MOEBUS PLACE

P.O.B.  
BOOK-2138  
PAGE 6

LEGEND:  
 - WATER SERVICE LINE  
 - GAS SERVICE LINE  
 - SANITARY SEWER LATERAL  
 - UNDERGROUND TELEPHONE, ELECTRIC AND CABLE

GRAPHIC SCALE  
 (IN FEET)  
 1 inch = 30 ft

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR THE OWNER OF THIS PROJECT AT THE SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH: 908-238-0544 FAX: 908-238-6572  
 A PROFESSIONAL ASSOCIATION

CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP: 8/31/2022

NO.	REVISION	BY	DATE
5	TWP REV.	BH	5-24-21
4	DEP REV.	BH	4-23-21
3	DEP REV.	BH	4-20-21
2	DEP REV.	BH	4-18-21
1	DEP REV.	BH	1-30-21

12/3/2020  
 DATE  
 WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04258200

PROJECT:  
 CLINTON COMMONS  
 MINOR SUBDIVISION AND SITE PLAN  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

TITLE:  
 DRAINAGE AND UTILITY  
 PLAN - NORTH

JOB NO.: 8144/32606  
 SCALE: 1"=30'  
 DESIGNED: BH  
 CHECKED: CRN  
 FILENAME: 32606.DWG  
 DATE: 12/03/2020

DRAWING NO.:  
 8  
 22

BLOCK 14  
 LOT 32  
 1,222,492 SF  
 28.06 AC

PROP. SCOUR HOLE  
 W1=2.50 FT, W2=6.25 FT  
 L1=3.75 FT, L2=7.50 FT  
 #50#4", TH=12" W/ FABRIC

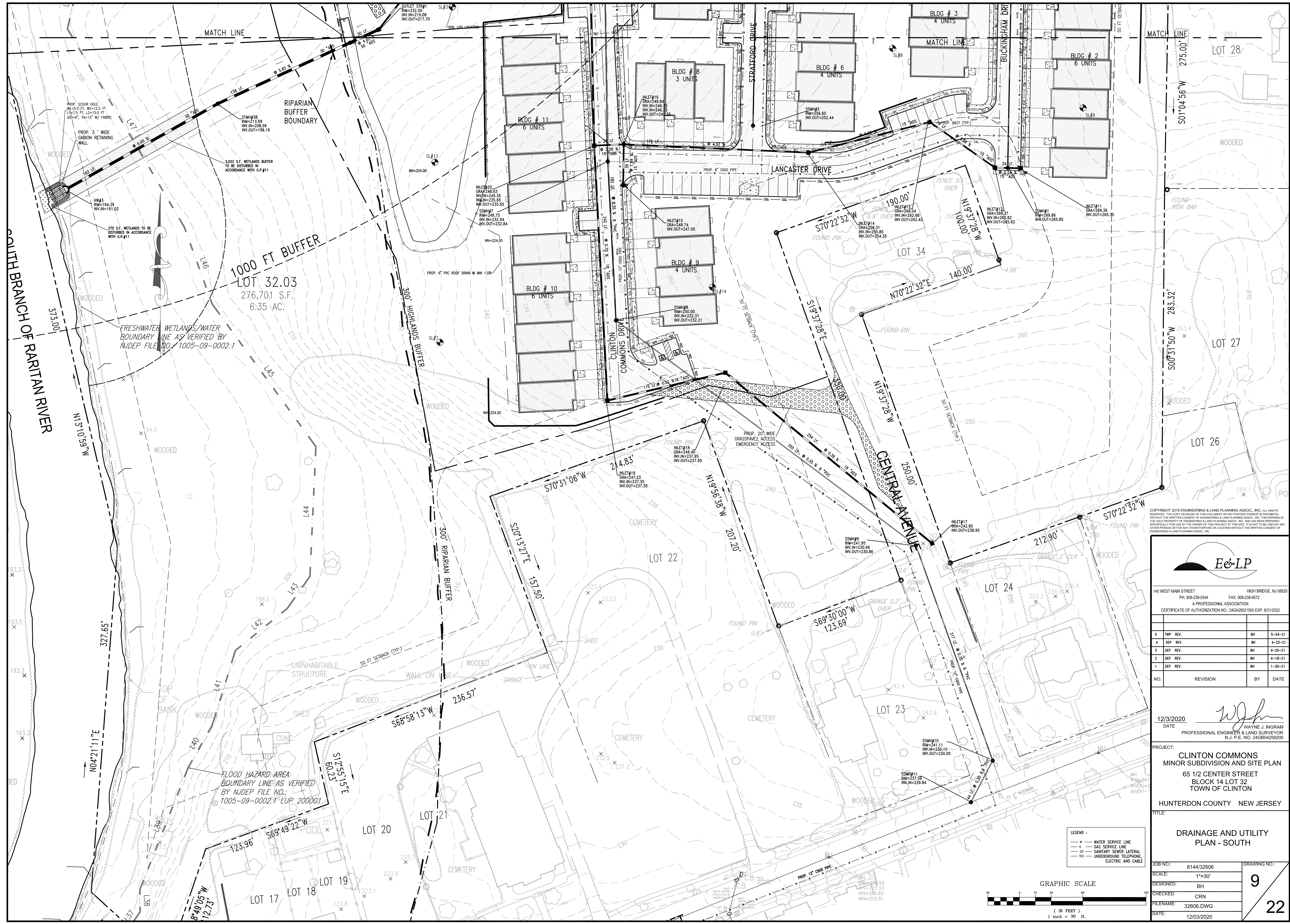
SOIL TO BE REMOVED AND REPLACE WITH PERMEABLE SOIL OF K3 OR BETTER PERMEABILITY TO ELEVATION 216.79 (PERMEABLE LAYER)

FILTER  
 RIM=232.00  
 INV.IN=216.38  
 INV.OUT=216.38

PROP. SCOUR HOLE  
 W1=5.0 FT, W2=12.5 FT  
 L1=7.5 FT, L2=15.0 FT  
 #6", TH=12" W/ FABRIC

3,022 S.F. WETLANDS BUFFER TO BE DISTURBED IN ACCORDANCE WITH G.P.#11





SOUTH BRANCH OF RARITAN RIVER

1000 FT BUFFER  
 LOT 32.03  
 276,701 S.F.  
 6.35 AC.

FRESHWATER WETLANDS/WATER  
 BOUNDARY LINE AS VERIFIED BY  
 NUDEP FILE NO. 1005-09-0002.1

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS  
 RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED  
 WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS  
 THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED  
 SPECIFICALLY FOR THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED FOR ANY  
 OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF  
 ENGINEERING & LAND PLANNING ASSOC., INC.

**E&LP**

140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH: 908-238-0544 FAX: 908-238-6572  
 A PROFESSIONAL ASSOCIATION  
 CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP: 8/31/2022

NO.	REVISION	BY	DATE
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020 DATE  
 WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04258200

PROJECT:  
**CLINTON COMMONS  
 MINOR SUBDIVISION AND SITE PLAN**  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

TITLE:  
**DRAINAGE AND UTILITY  
 PLAN - SOUTH**

JOB NO.:	8144/32606	DRAWING NO.:	
SCALE:	1"=30'		<b>9</b>
DESIGNED:	BH		<b>22</b>
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		

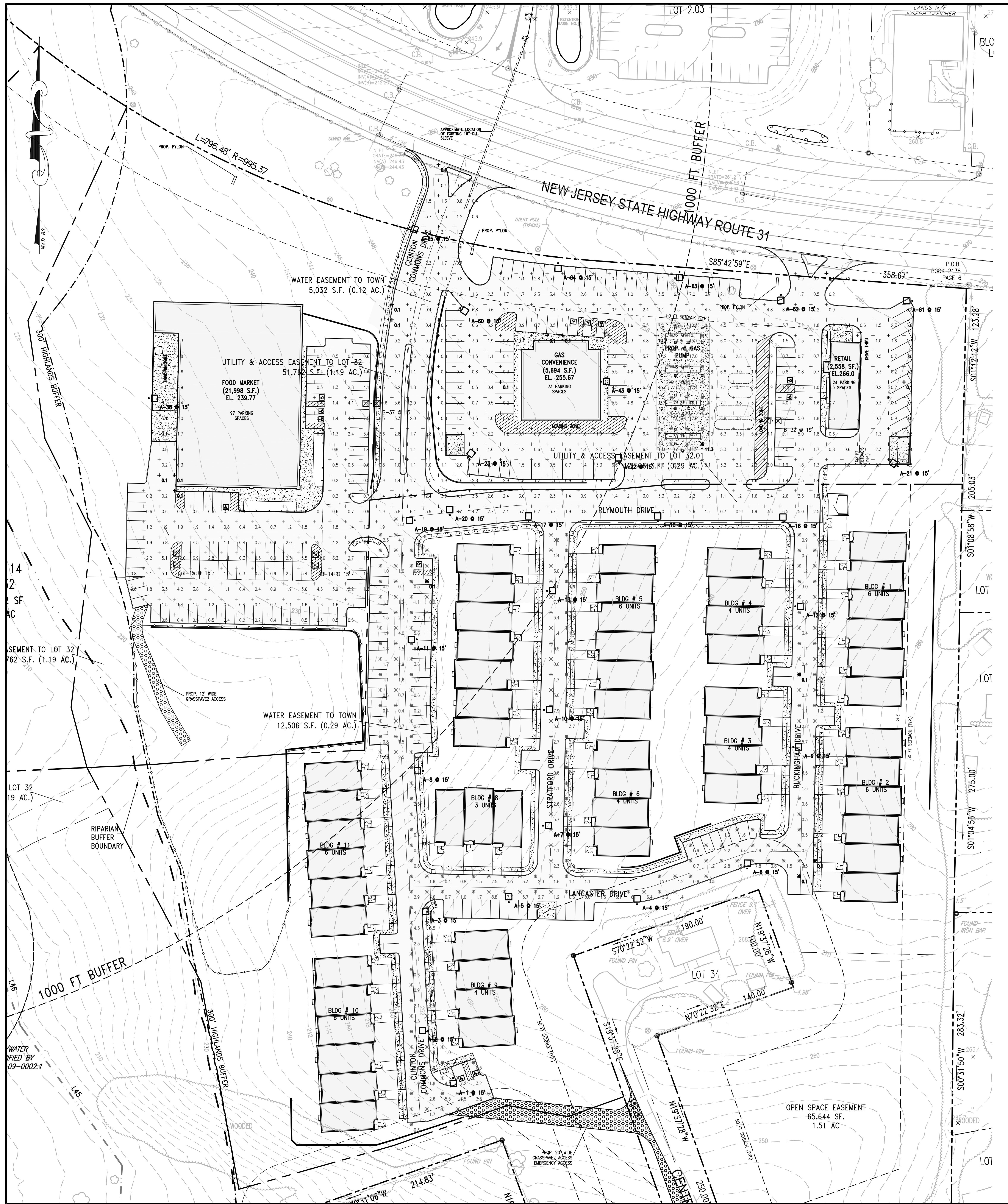
**LEGEND :**

- WATER SERVICE LINE
- GAS SERVICE LINE
- SANITARY SEWER LATERAL
- UNDERGROUND TELEPHONE
- ELECTRIC AND CABLE

**GRAPHIC SCALE**

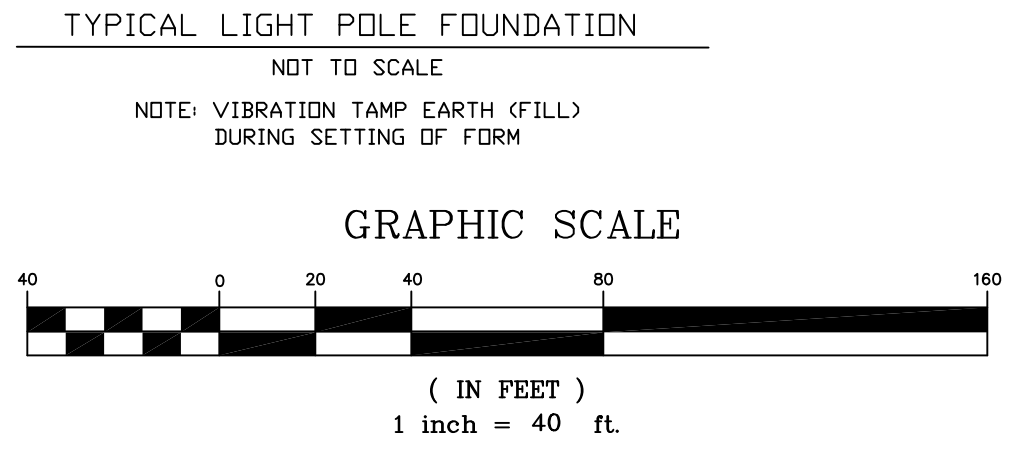
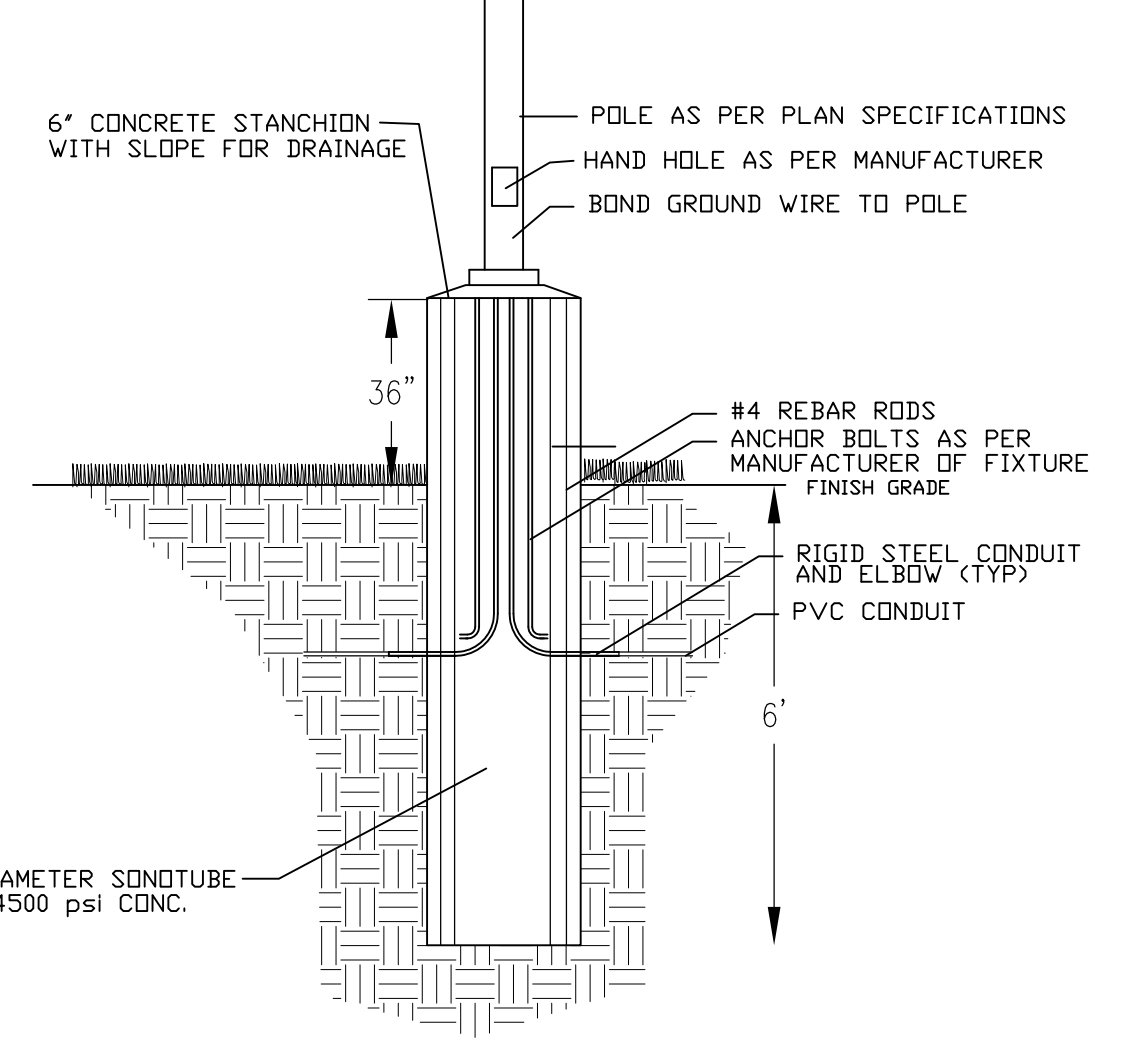
( IN FEET )  
 1 inch = 30 ft.





Statistics									
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min			
CALCULATIONS	+	2.9	18.1	0.1	181.0	29.0			
CANOPY	X	15.3	18.1	11.3	1.6	1.4			
RESIDENTIAL CALCULATIONS	X	2.4	9.0	0.1	90.0	2.4			

Schedule													
Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens per Lamp	LLF	Wattage	Efficiency	Distribution
□	A		29	American Electric Light	AT80 30BLE15 4000K/5000K CCT	AT80 SERIES LED 1500MA 4 4000K/5000K CCT	TREED Array	AT80_30BLE15_XXXX_R4_4K_5Kies	16462	0.9	145	100%	TYPE IV, SHORT, BUG RATING, E3 - U0 G3
□	B		4	American Electric Light	AT80 30BLE15 4000K/5000K CCT	AT80 SERIES LED 1500MA 4 4000K/5000K CCT	TREED Array	AT80_30BLE15_XXXX_R4_4K_5Kies	16462	0.9	290	100%	TYPE IV, SHORT, BUG RATING, E3 - U0 G3
□	C		32	Holophane	PPS0L2 P60 40K/50K XX GL TSV	Holophane ParkPak Square LED Performance Package P60, 66W, 4000K/5000K CCT, Voltage, Borosilicate glass lens, Type V, Wide	LED	PPS0L2_P60_40K_50K_XX_GL_TSVies	7193	0.9	66	100%	TYPE VS, BUG RATING, E3 - U2 G3



**PARKPAK LED**  
INFRASTRUCTURE OUTDOOR

**ORDERING INFORMATION:**

<b>Housing Style</b> ParkPak LED	<b>Color Temperature</b> 4000-5000K CCT 5000-6000K CCT	<b>Voltage</b> 120V, 277V, 300V AC 120V, 277V, 300V AC	<b>Optics</b> Type 1, Type 2, Type 3, Type 4, Type 5, Type 6, Type 7, Type 8, Type 9, Type 10, Type 11, Type 12, Type 13, Type 14, Type 15, Type 16, Type 17, Type 18, Type 19, Type 20, Type 21, Type 22, Type 23, Type 24, Type 25, Type 26, Type 27, Type 28, Type 29, Type 30, Type 31, Type 32, Type 33, Type 34, Type 35, Type 36, Type 37, Type 38, Type 39, Type 40, Type 41, Type 42, Type 43, Type 44, Type 45, Type 46, Type 47, Type 48, Type 49, Type 50, Type 51, Type 52, Type 53, Type 54, Type 55, Type 56, Type 57, Type 58, Type 59, Type 60, Type 61, Type 62, Type 63, Type 64, Type 65, Type 66, Type 67, Type 68, Type 69, Type 70, Type 71, Type 72, Type 73, Type 74, Type 75, Type 76, Type 77, Type 78, Type 79, Type 80, Type 81, Type 82, Type 83, Type 84, Type 85, Type 86, Type 87, Type 88, Type 89, Type 90, Type 91, Type 92, Type 93, Type 94, Type 95, Type 96, Type 97, Type 98, Type 99, Type 100	<b>Super Durable</b> Type 1, Type 2, Type 3, Type 4, Type 5, Type 6, Type 7, Type 8, Type 9, Type 10, Type 11, Type 12, Type 13, Type 14, Type 15, Type 16, Type 17, Type 18, Type 19, Type 20, Type 21, Type 22, Type 23, Type 24, Type 25, Type 26, Type 27, Type 28, Type 29, Type 30, Type 31, Type 32, Type 33, Type 34, Type 35, Type 36, Type 37, Type 38, Type 39, Type 40, Type 41, Type 42, Type 43, Type 44, Type 45, Type 46, Type 47, Type 48, Type 49, Type 50, Type 51, Type 52, Type 53, Type 54, Type 55, Type 56, Type 57, Type 58, Type 59, Type 60, Type 61, Type 62, Type 63, Type 64, Type 65, Type 66, Type 67, Type 68, Type 69, Type 70, Type 71, Type 72, Type 73, Type 74, Type 75, Type 76, Type 77, Type 78, Type 79, Type 80, Type 81, Type 82, Type 83, Type 84, Type 85, Type 86, Type 87, Type 88, Type 89, Type 90, Type 91, Type 92, Type 93, Type 94, Type 95, Type 96, Type 97, Type 98, Type 99, Type 100
-------------------------------------	--	--	---	--

**LED Performance Package**  
 P60 - LED Package  
 P60 - LED Package  
 P60 - LED Package  
 P60 - LED Package

**Options**  
 Adjustable Programmable Output  
 Emergency Lighting  
 Photometric Data  
 Safety Options

**Accessories**  
 Pole Mounting Hardware  
 Pole Mounting Hardware  
 Pole Mounting Hardware

**Autobahn Series AT80**  
Roadway Lighting

**PRODUCT OVERVIEW**

**Applications:**  
 Roadways  
 Off ramps  
 Residential streets  
 Parking lots

**Features:**  
 Some Light Performance is comparable to 75-200W HPS roadway luminaires.  
 White Light: Correlated color temperature: 4000K, 50 CR minimum, 3000K, 70 CR minimum or optional 5000K, 70 CR minimum.  
 Unique: P60 rated LED light engine provides 0% spillage and meets backlight to within sidewalk depth, providing optimal application and optimal pole spacing. Available in Type 8, 10, 11, and 12 roadway distributions.  
 Electrical: Expected life: LED light engines are rated >100,000 hours at 25°C. LED electronics have an expected life of 100,000 hours at a 25°C ambient.  
 Lower Energy: Saves an expected 40-60% over comparable HPS luminaires.  
 Robust Surge Protection: Three different surge protection options provide a minimum of ANSI C136.2 VDM/ANCA protection. 200V/10kA protection is also available.  
 Mechanical: Includes standard AEL Invenis-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Hidable lens located inside the electrical compartment for easy cleaning and isolation.  
 Rugged die-cast aluminum housing and door are powder-coated for durability and corrosion resistance. Rugged flow-over heat sink and mounting process yields a finish that achieves a color change rating of 7 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).  
 Max arm mount adjustable to arms from 1-1/4" to 2-1/2" (1-5/8" to 2-3/8" Ø) diameter.  
 Provides a 3G vibration rating per ANSI C136.1.  
 Wildlife shield is cast into the housing (not a separate piece).  
 Controls: NEMA 3 pin photocell receptacle is standard, with the Aesty designed ANSI standard 7 pin receptacle optionally available.  
 Premium solid state lighting (SSL) photometric - PCS3 (10 year rated life) Extreme long life solid state lighting (SSL) photometric - PCS3 (10 year rated life).  
 Multi-level dimming available to provide scheduled dimming as specified by the customer.  
 Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.

**STANDARDS**  
 Design Lights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Product List at [www.dlcqualified.com](http://www.dlcqualified.com) for a complete list of qualified products.  
 Color temperature of <math>\le 3000K</math> must be specified for International Dark-Sky Association certification.  
 Rated for <math>-40^{\circ}C</math> to <math>40^{\circ}C</math> ambient.  
 CMAA Certified in U.S. and Canada standard.  
 Complies with ANSI: C136.2, C136.14, C136.15, C136.31, C136.35, C136.37

**© 2019 Aesty Lighting, Inc. AT80 02/19**

**E&LP**

140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH: 908-238-0544 FAX: 908-238-6572  
 A PROFESSIONAL ASSOCIATION  
 CERTIFICATE OF AUTHORIZATION NO: 24G24021500 EXP: 8/31/2022

5	TWP REV.	BH	5-23-21
4	DEP REV.	BH	4-23-21
3	DEP REV.	BH	4-20-21
2	DEP REV.	BH	4-18-21
1	DEP REV.	BH	1-30-21

NO. REVISION BY DATE

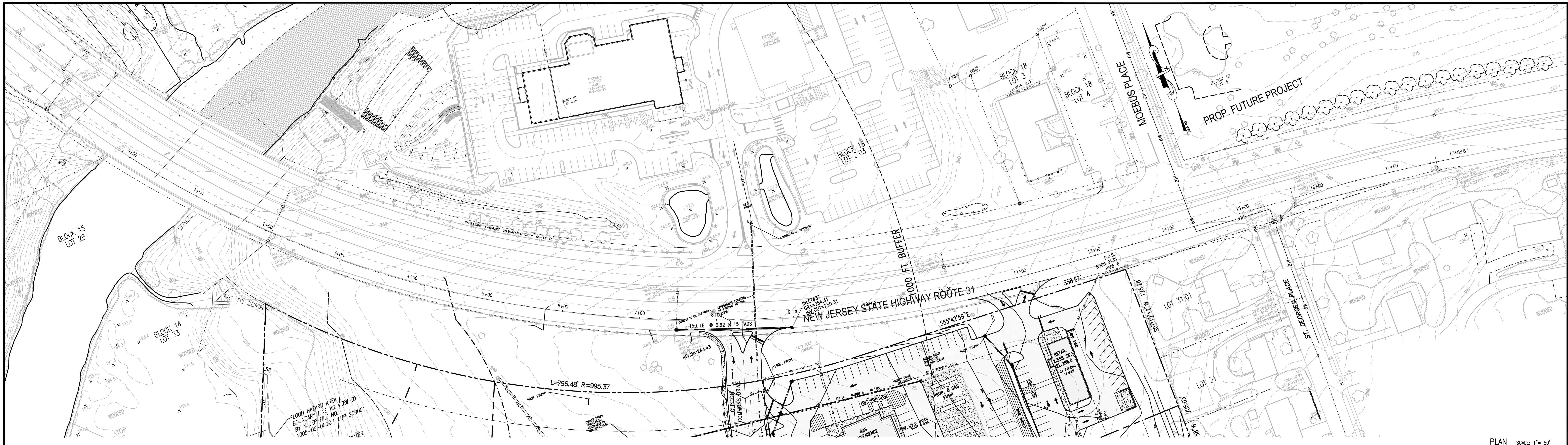
12/3/2020 DATE WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24G04258200

PROJECT:  
**CLINTON COMMONS  
 MINOR SUBDIVISION AND SITE PLAN**  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

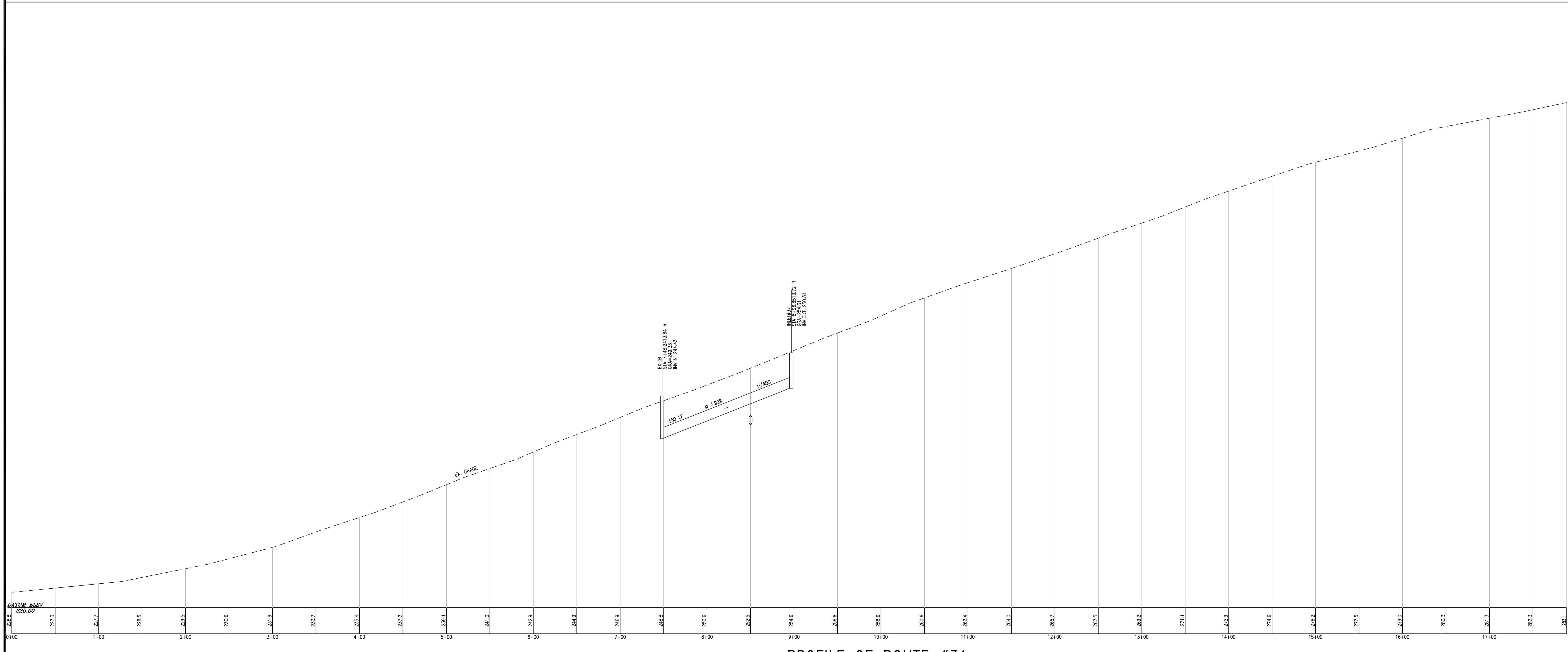
TITLE:  
**LIGHTING PLAN**

JOB NO.:	8144/32606	DRAWING NO.:	
SCALE:	1"=40'		<b>10</b>
DESIGNED:	BH		<b>22</b>
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		



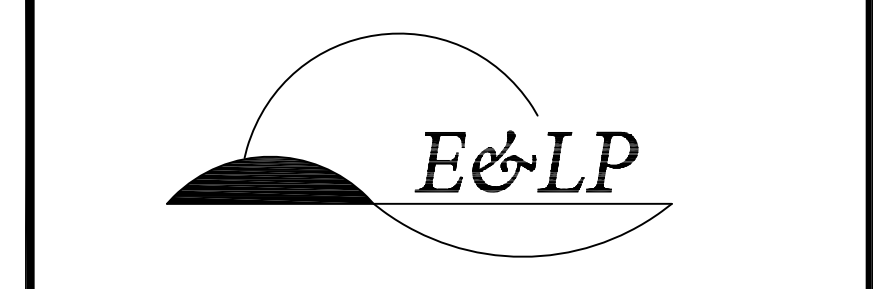


PLAN SCALE: 1"=50'  
 PROFILE SCALE: H: 1"=50'  
 V: 1"=5'



PROFILE OF ROUTE #31  
 SCALE: H: 1"=50'  
 V: 1"=5'

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THIS DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THE SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH: 908-238-0544 FAX: 908-238-6572  
 A PROFESSIONAL ASSOCIATION  
 CERTIFICATE OF AUTHORIZATION NO.: 24GA28021500 EXP: 8/31/2022

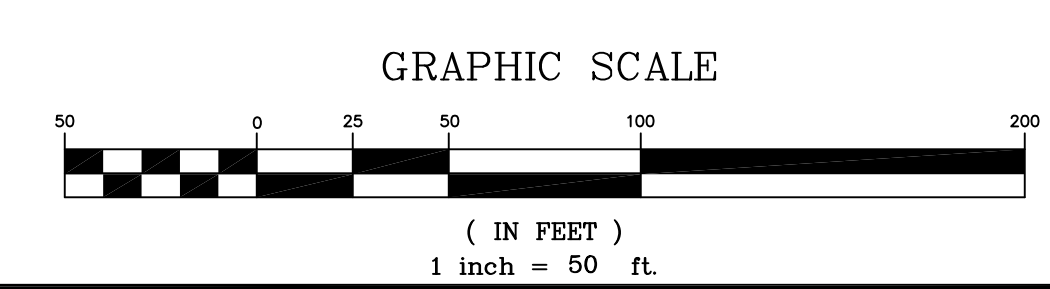
NO.	REVISION	BY	DATE
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020  
 DATE  
  
 WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04258200

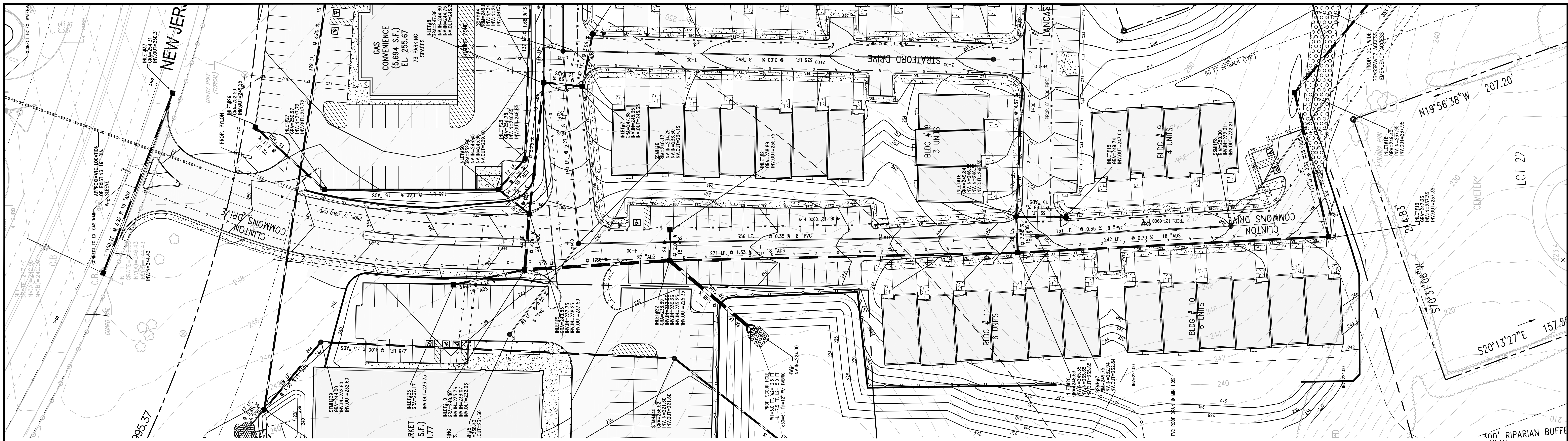
PROJECT:  
 CLINTON COMMONS  
 MINOR SUBDIVISION AND SITE PLAN  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

TITLE:  
 PLAN AND PROFILE OF  
 ROUTE #31

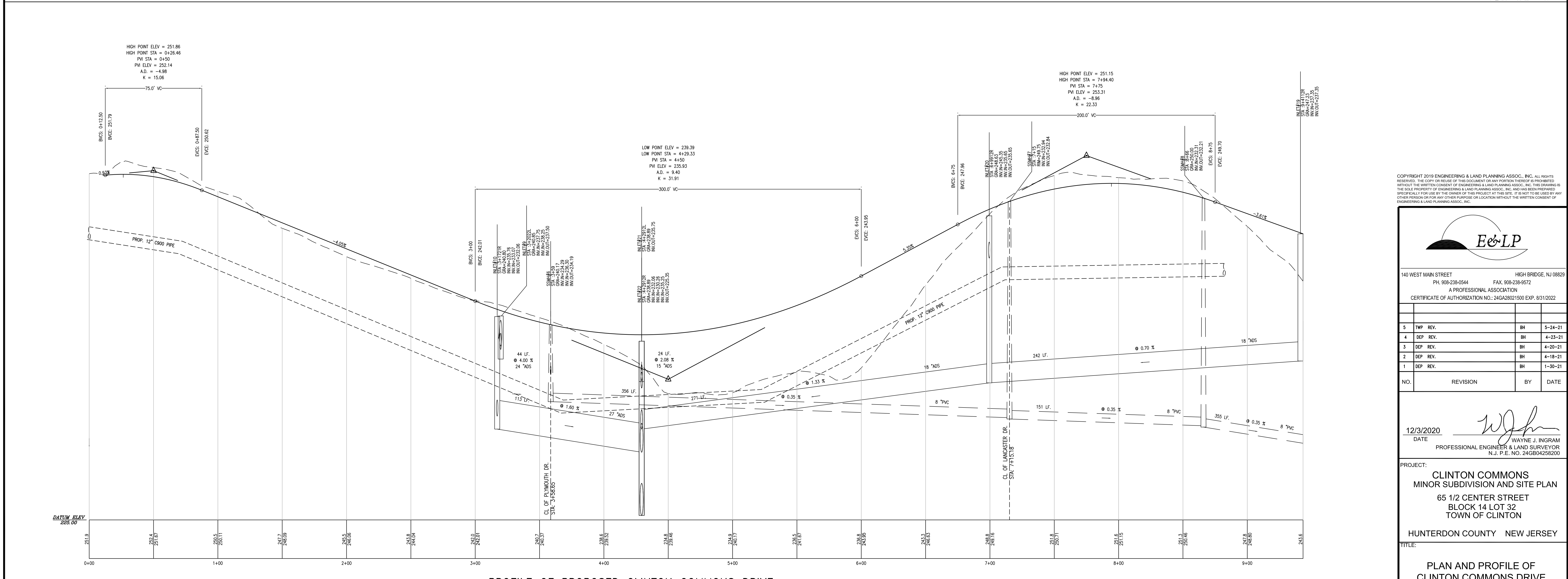
JOB NO.:	8144/32606	DRAWING NO.:	11
SCALE:	1"=50'		22
DESIGNED:	BH		
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		





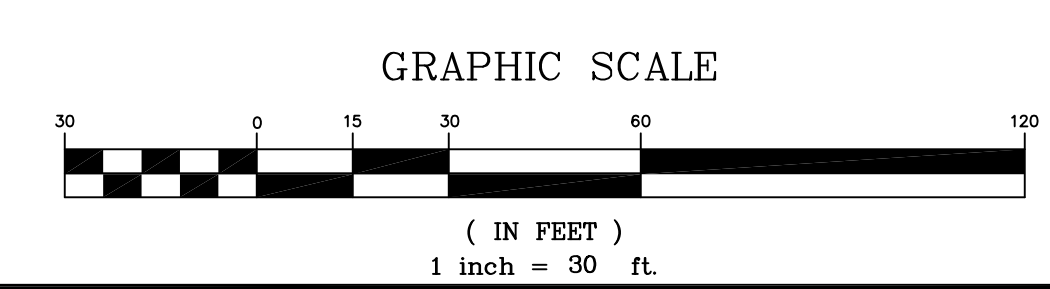


PLAN SCALE: 1" = 30'



PROFILE OF PROPOSED CLINTON COMMONS DRIVE

SCALE: H: 1" = 30'  
V: 1" = 3'



COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THE SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.

**E&LP**  
 140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH: 908-238-0544 FAX: 908-238-6572  
 A PROFESSIONAL ASSOCIATION

CERTIFICATE OF AUTHORIZATION NO.: 24G28021500 EXP: 8/31/2022

NO.	REVISION	BY	DATE
5	TWP REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

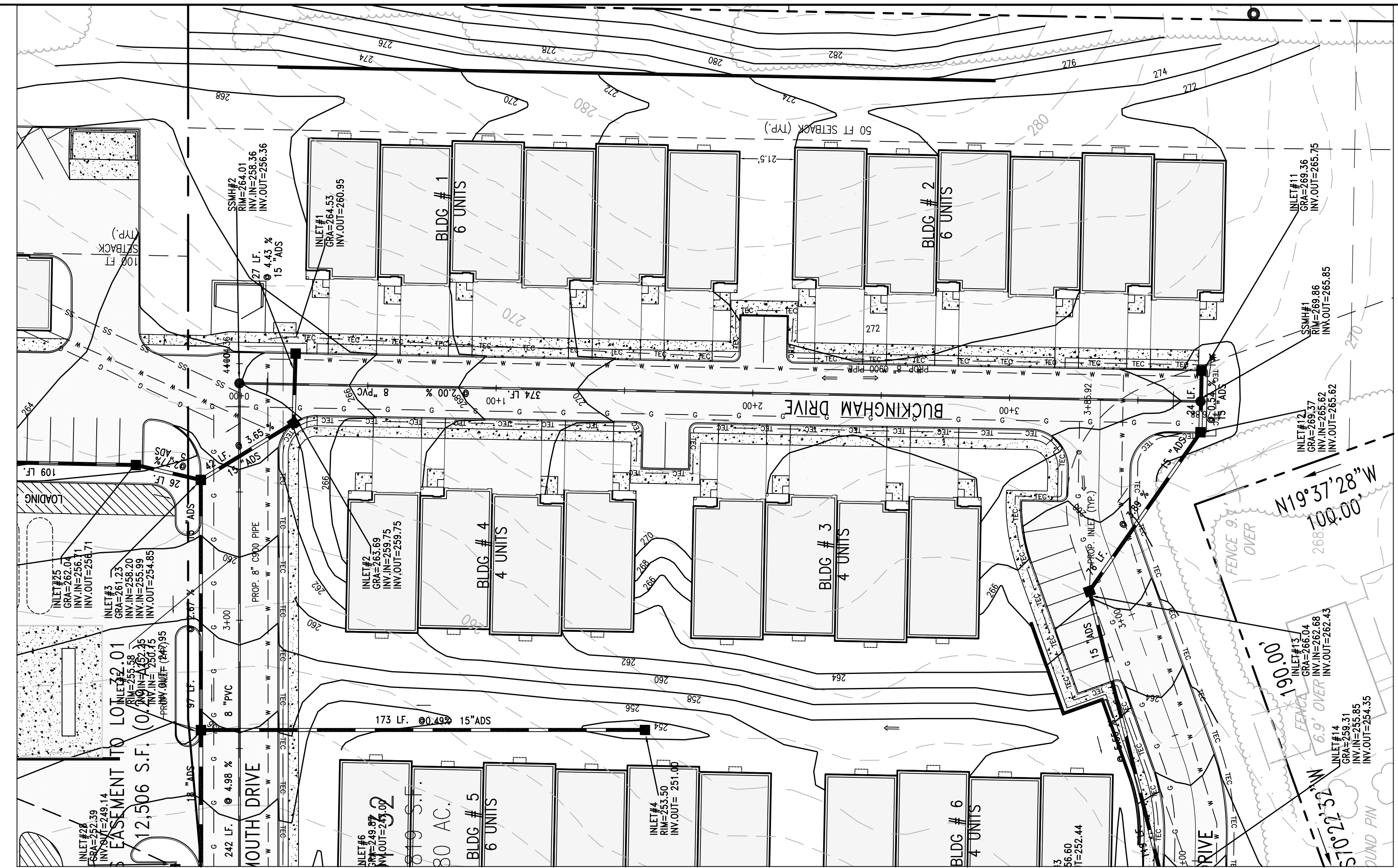
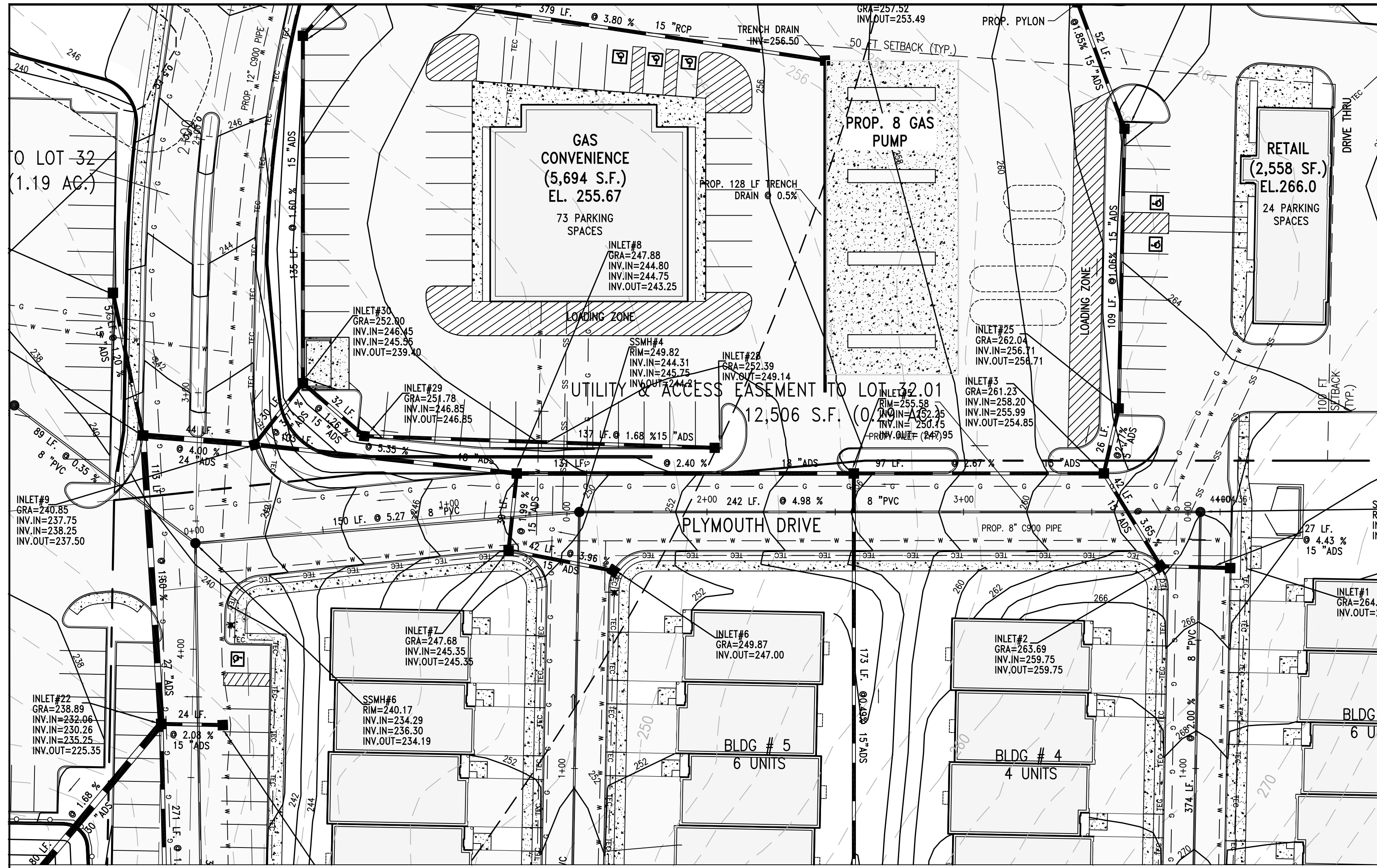
DATE: 12/3/2020  
 WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04258200

PROJECT:  
**CLINTON COMMONS**  
 MINOR SUBDIVISION AND SITE PLAN  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

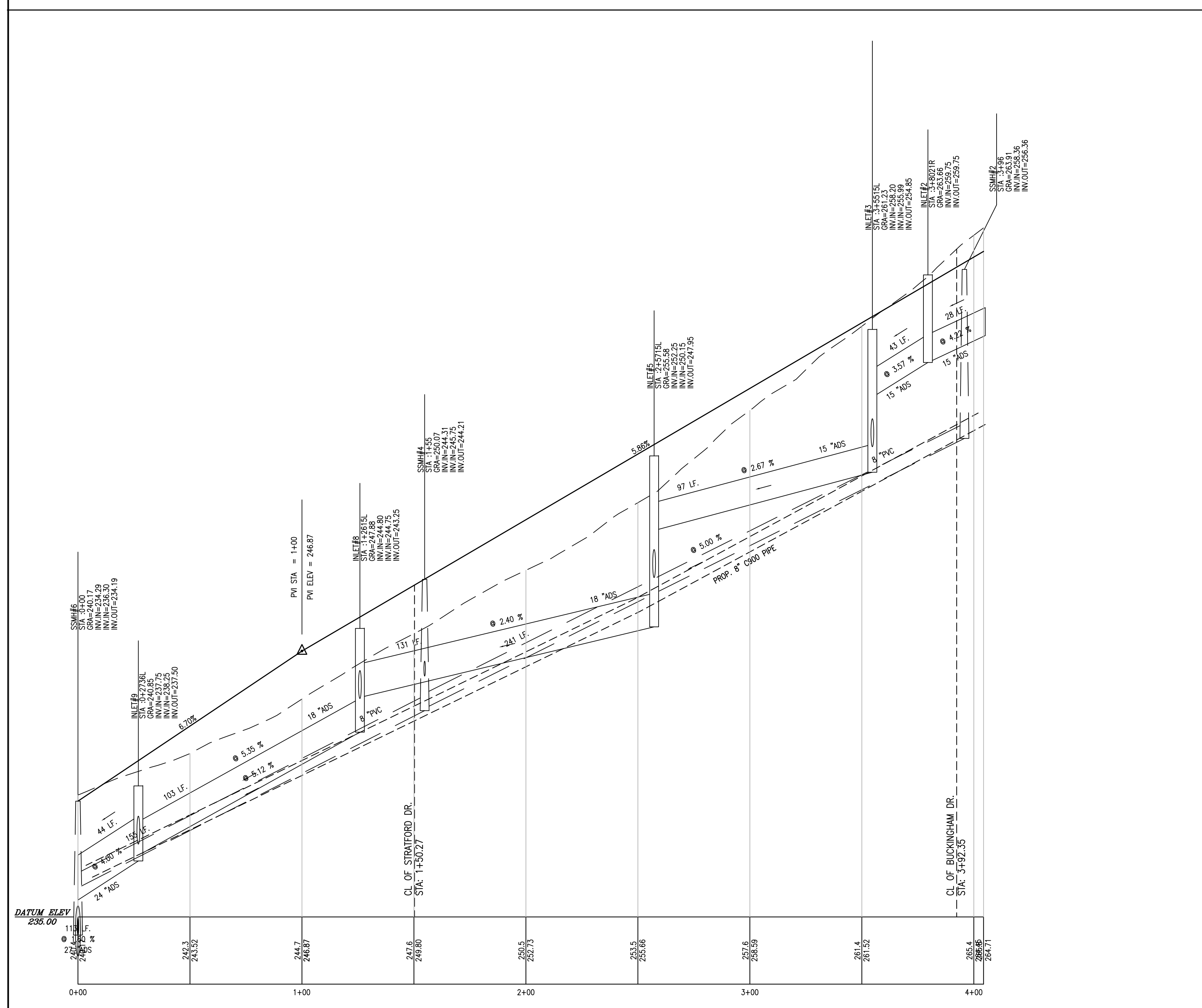
TITLE:  
**PLAN AND PROFILE OF**  
**CLINTON COMMONS DRIVE**

JOB NO.:	8144/32606	DRAWING NO.:	12
SCALE:	1"=30'		22
DESIGNED:	BH		
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		

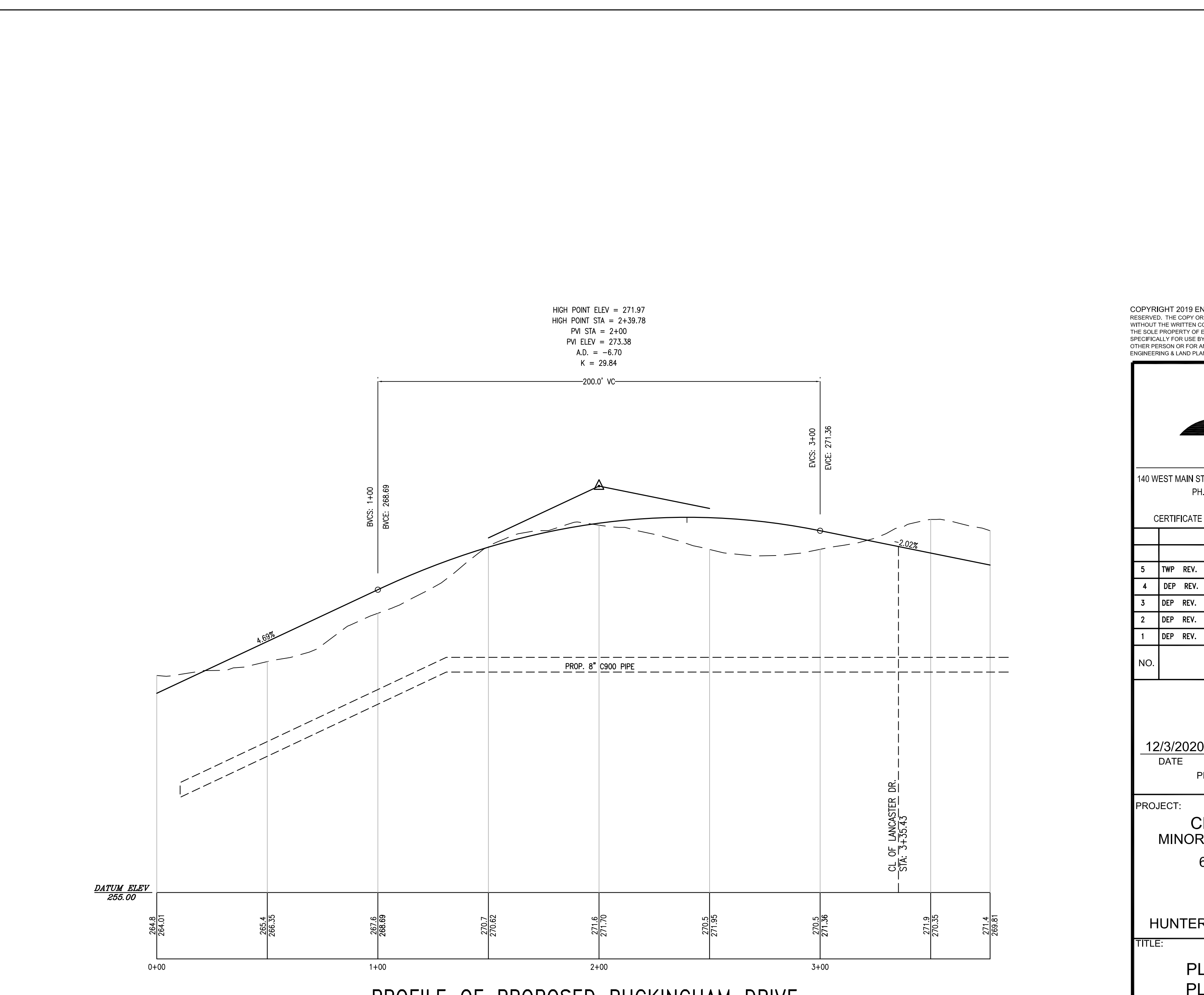




PLAN SCALE: 1" = 30'



PROFILE OF PROPOSED PLYMOUTH DRIVE  
SCALE: H: 1"=30'  
V: 1"=3'



PROFILE OF PROPOSED BUCKINGHAM DRIVE  
SCALE: H: 1"=30'  
V: 1"=3'

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THIS DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH. 908-238-0544 FAX. 908-238-9572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO. 24GA28021500 EXP. 8/31/2022

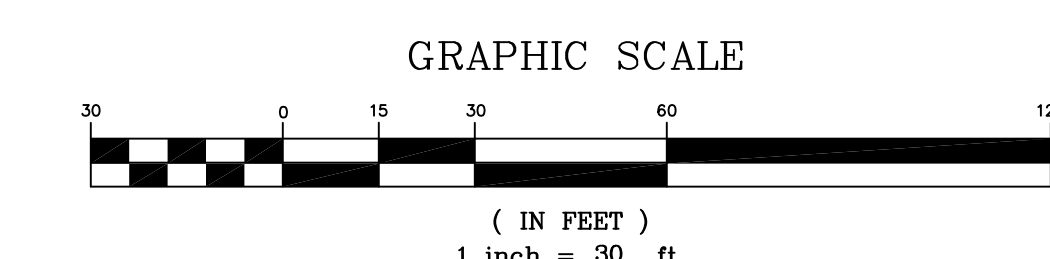
NO.	REVISION	BY	DATE
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020  
DATE  
WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24GB04258200

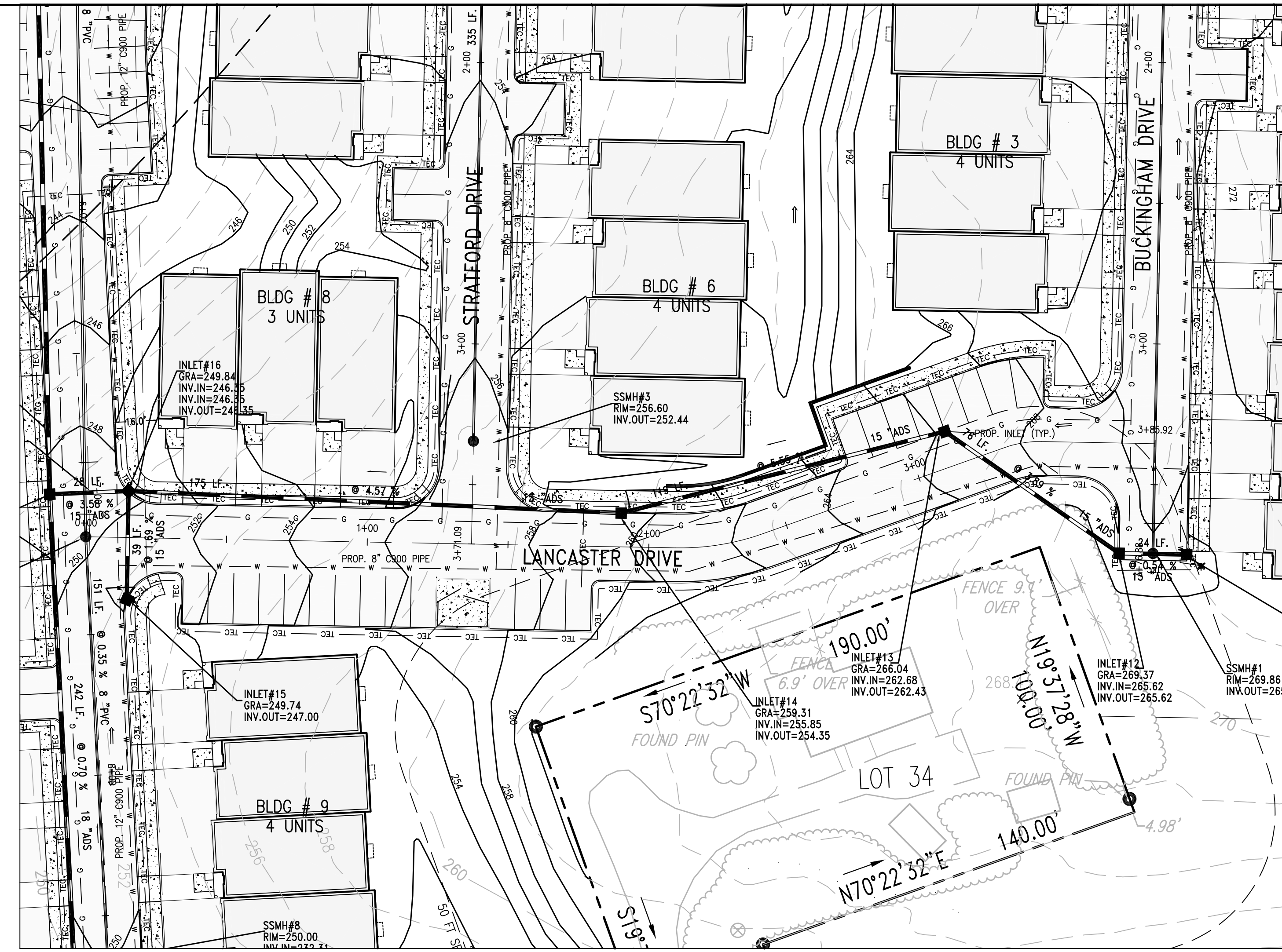
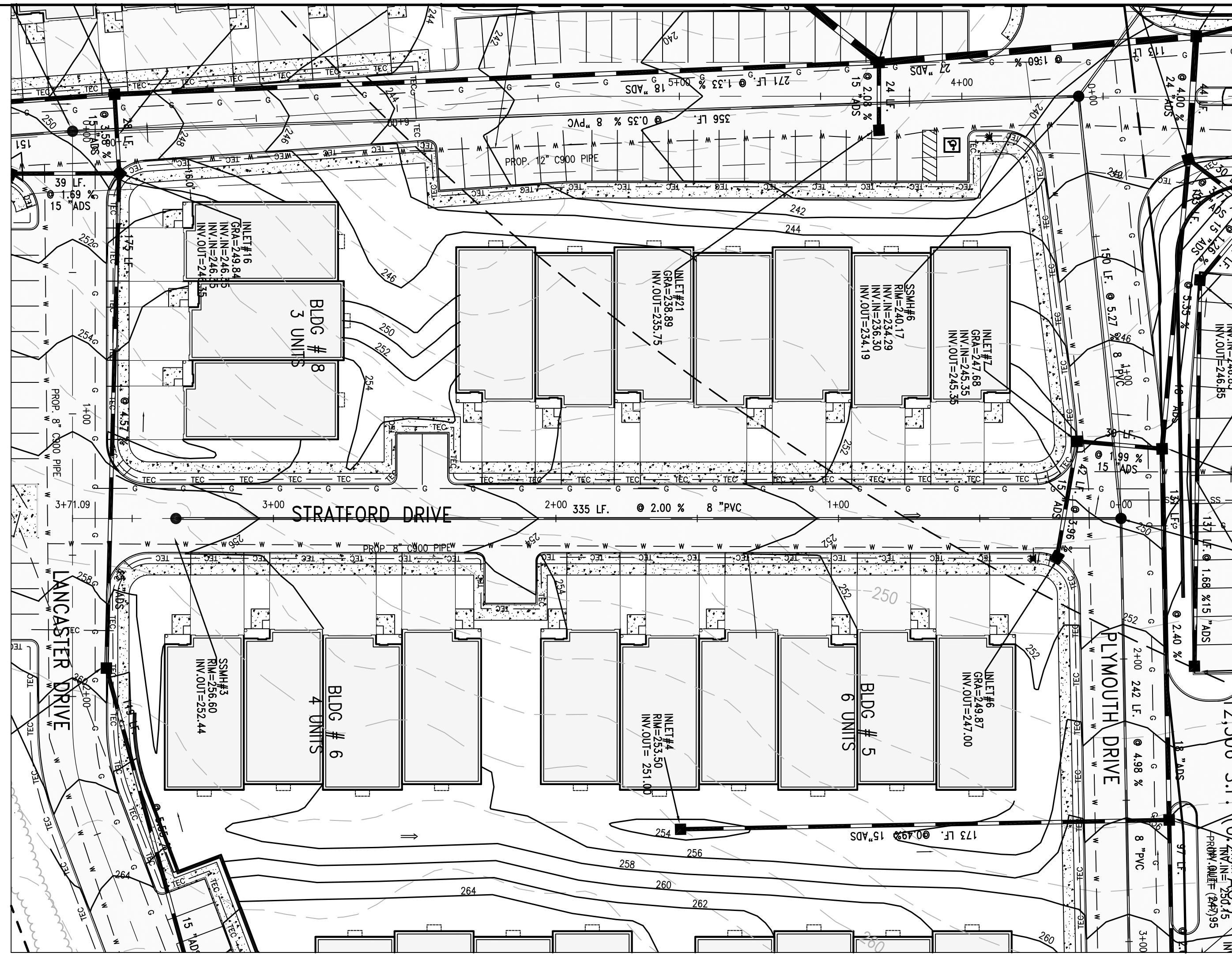
PROJECT:  
CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON  
HUNTERDON COUNTY NEW JERSEY

TITLE:  
PLAN AND PROFILE OF  
PLYMOUTH DRIVE AND  
BUCKINGHAM DRIVE

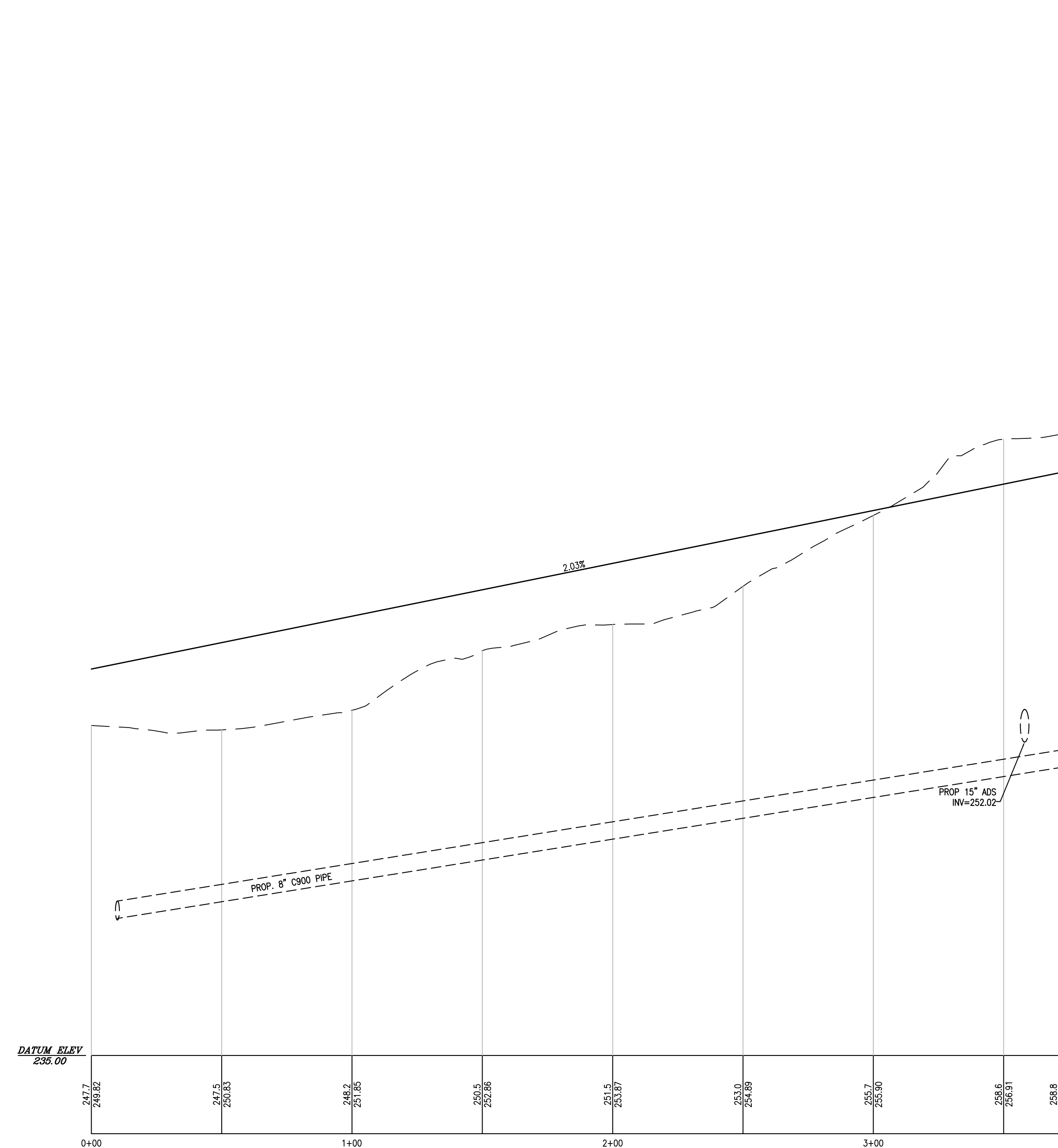
JOB NO.:	8144/32606	DRAWING NO.:	13
SCALE:	1"=30'		22
DESIGNED:	BH		
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		





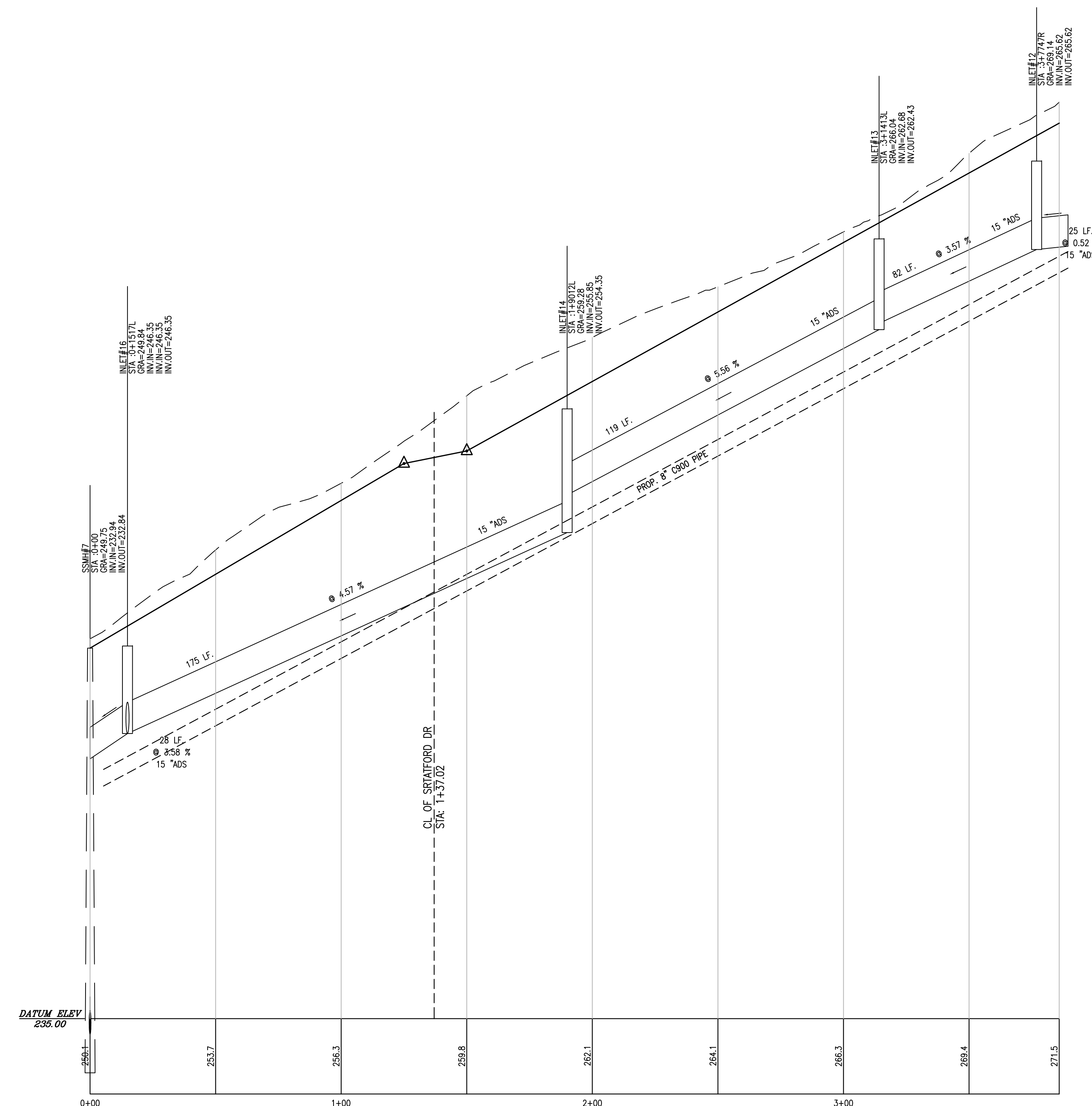


PLAN SCALE: 1" = 30'



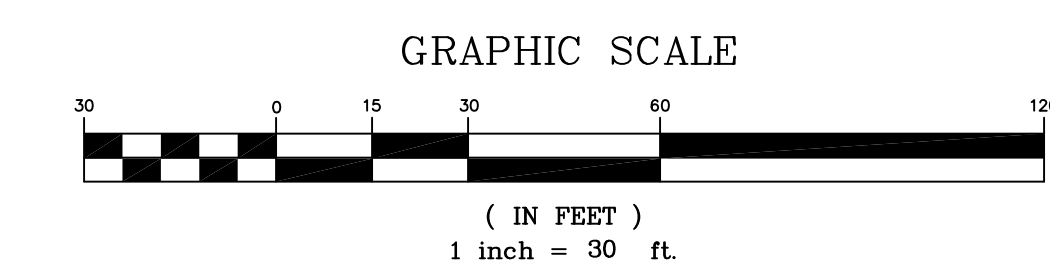
PROFILE OF PROPOSED STRATFORD DRIVE

SCALE: H: 1"=30'  
V: 1"=3'



PROFILE OF PROPOSED LANCASTER DRIVE

SCALE: H: 1"=30'  
V: 1"=3'



COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THIS DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH. 908-238-0544 FAX. 908-238-9572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO. 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

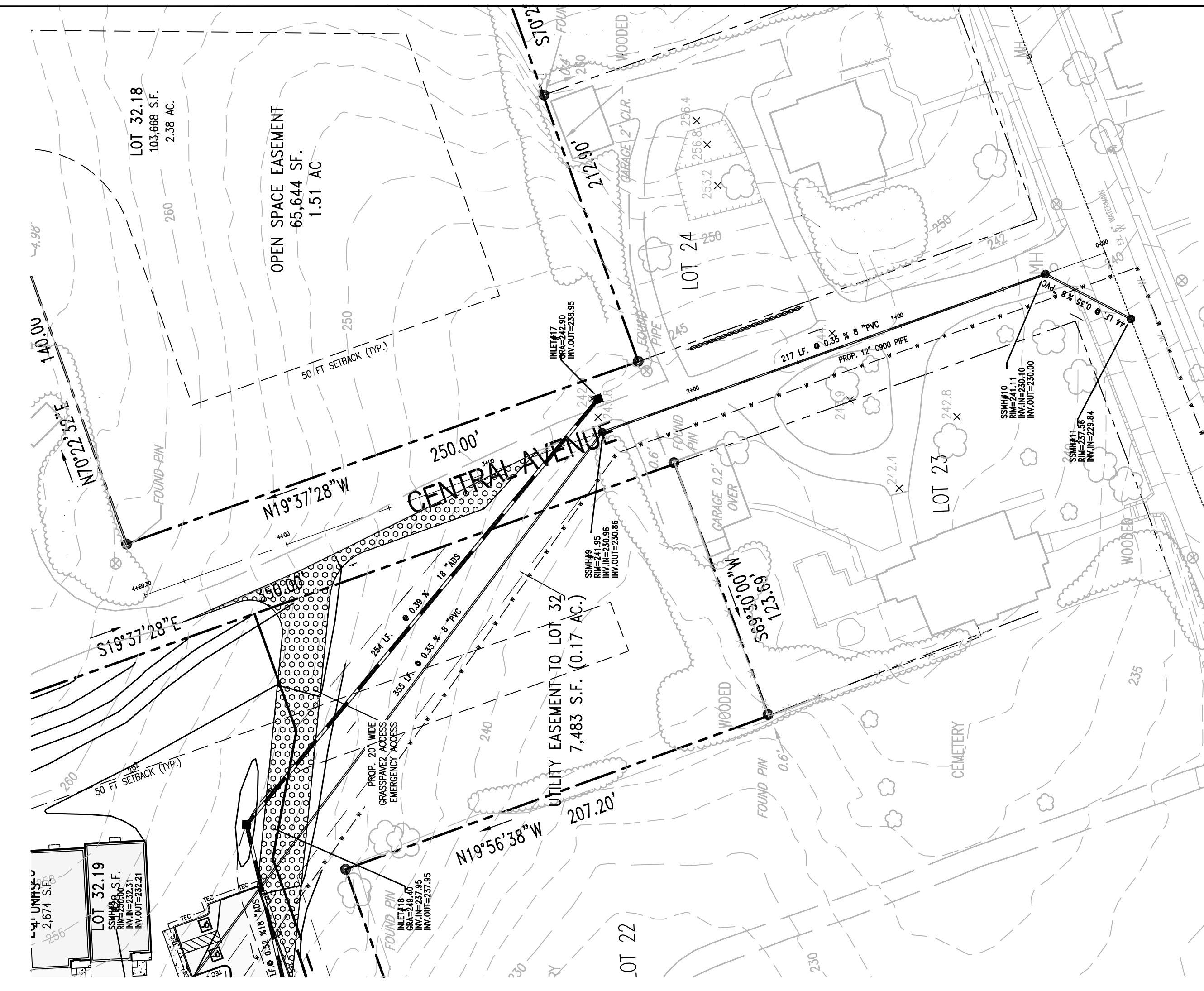
12/3/2020  
DATE  
WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24GB04258200

PROJECT:  
CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON  
HUNTERDON COUNTY NEW JERSEY

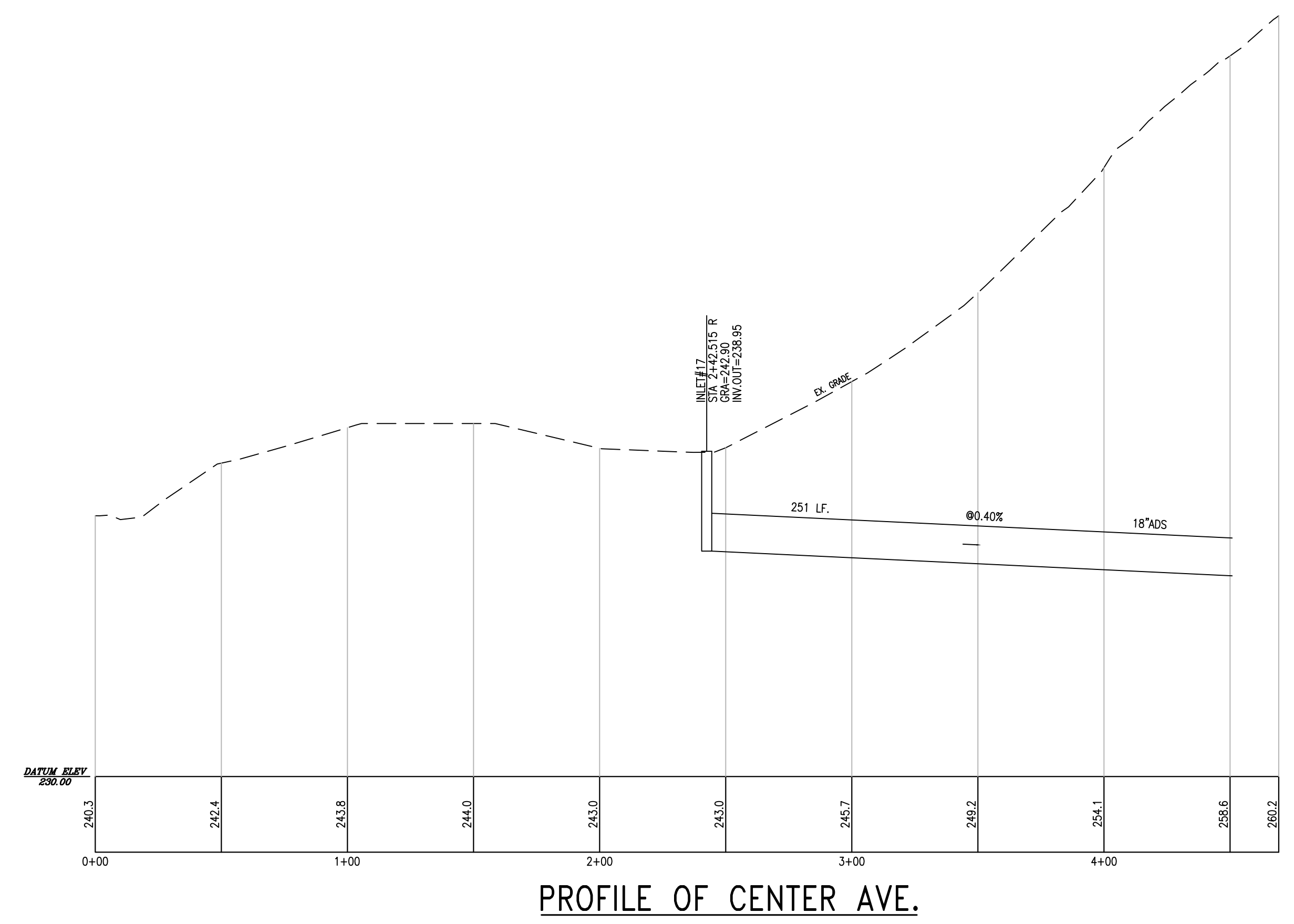
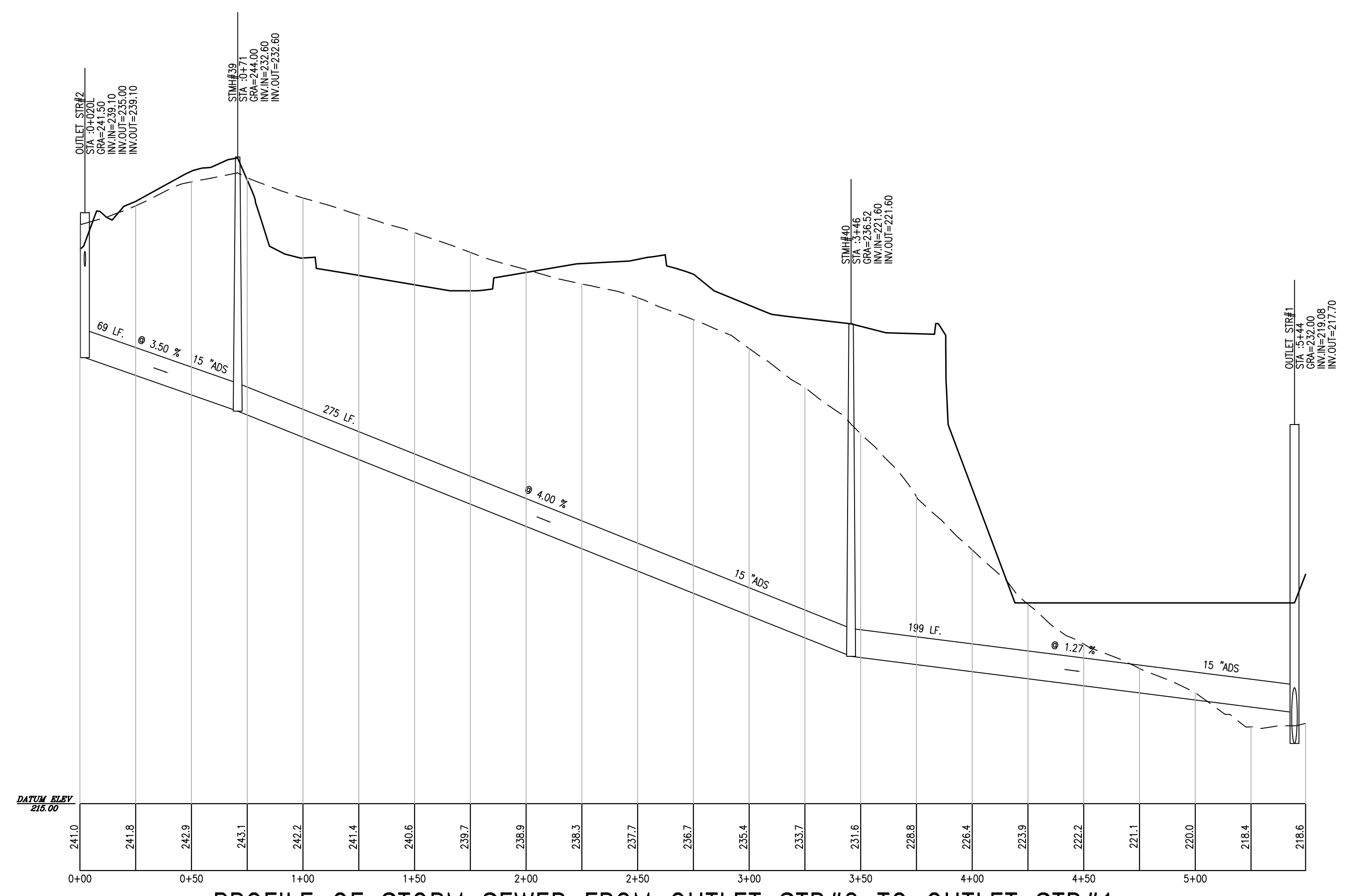
TITLE:  
PLAN AND PROFILE OF  
STRATFORD DRIVE AND  
LANCASTER DRIVE

JOB NO.:	8144/32606	DRAWING NO.:	14
SCALE:	1"=30'	CHECKED:	22
DESIGNED:	BH	FILENAME:	32606.DWG
CHECKED:	CRN	DATE:	12/03/2020





PROFILE SCALE: H: 1" = 40'  
V: 1" = 4'



COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH: 908-238-0544 FAX: 908-238-0572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO.: 24G28021500 EXP: 8/31/2022

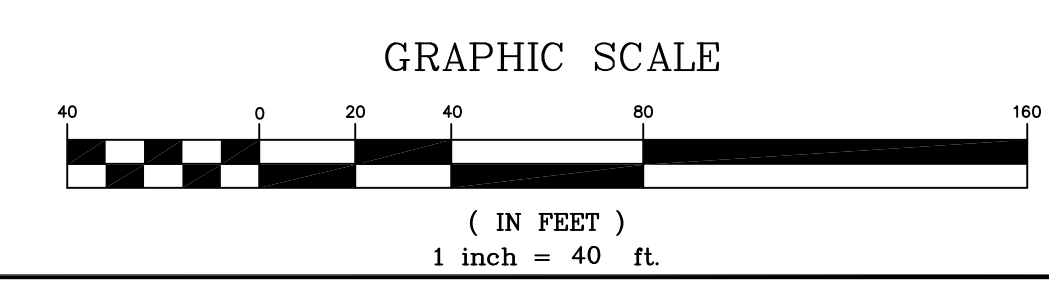
NO.	REVISION	BY	DATE
3	TWP REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020 DATE  
WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24G804258200

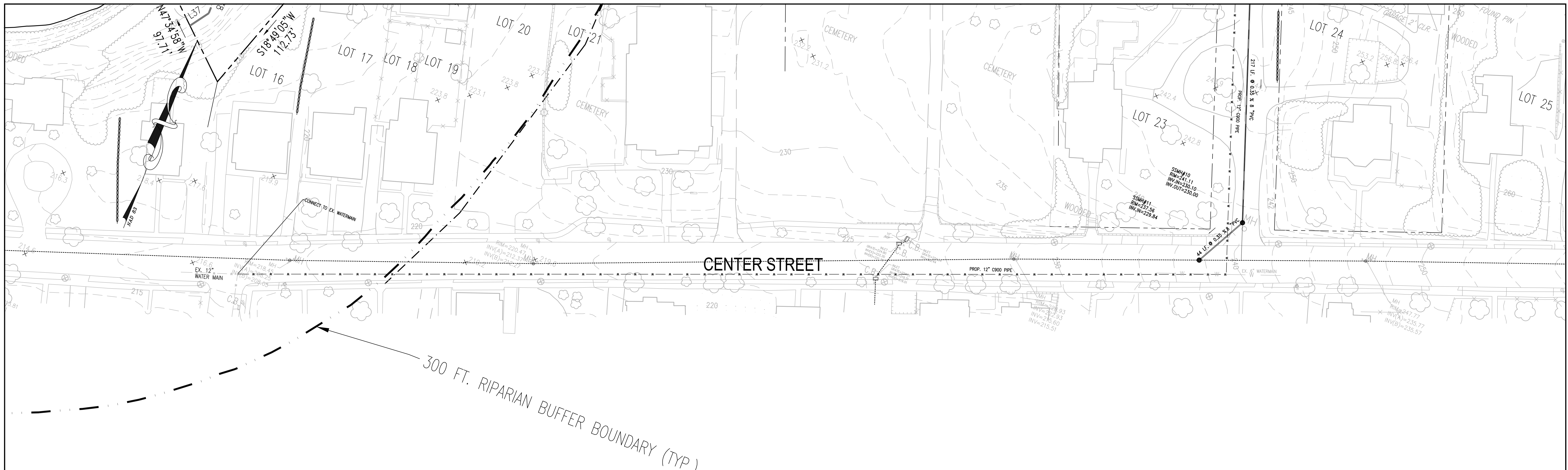
PROJECT:  
CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON  
HUNTERDON COUNTY NEW JERSEY

TITLE:  
PLAN AND PROFILE OF  
CENTER AVE. & UTILITY

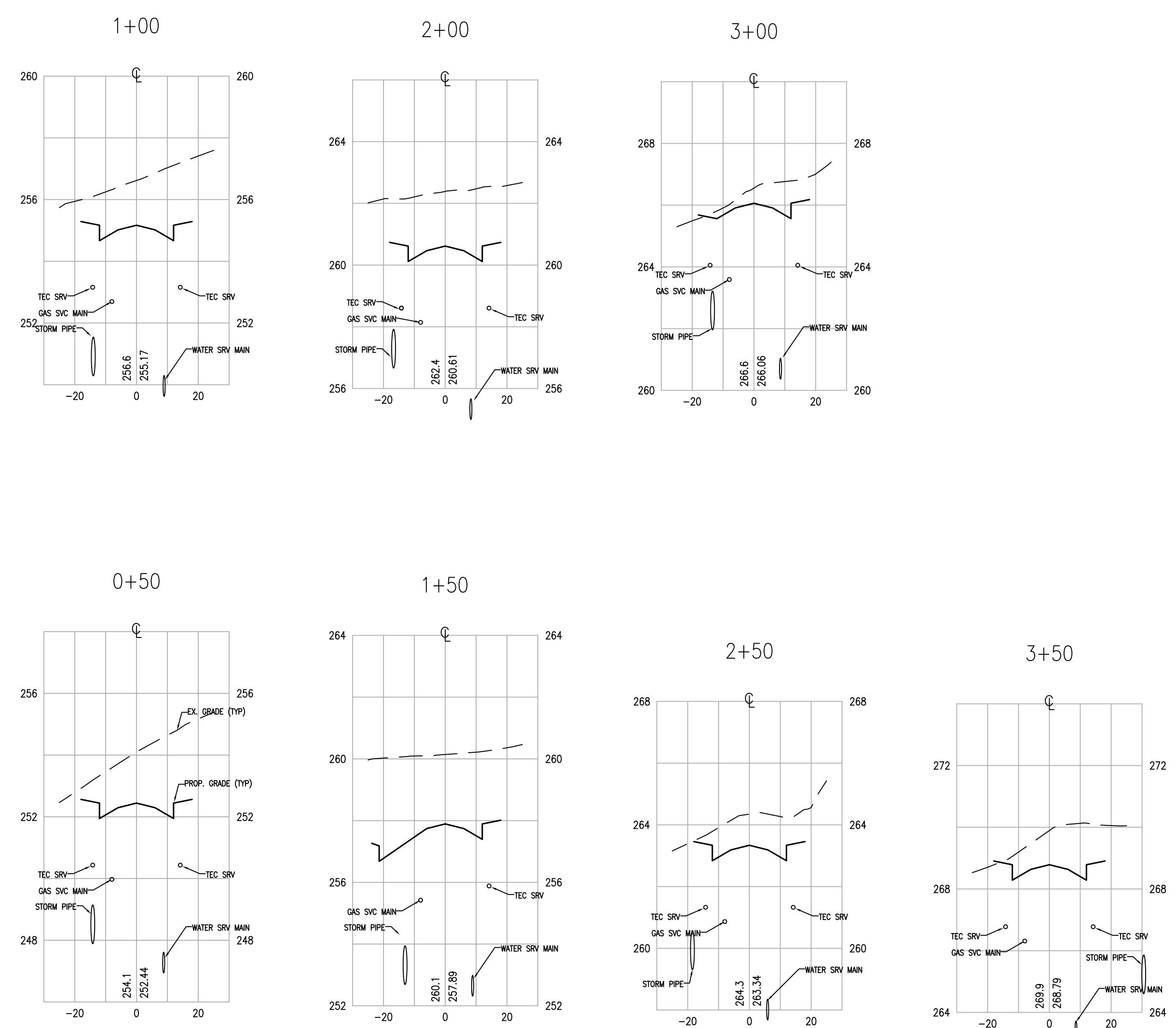
JOB NO.: 8144/32606	DRAWING NO.: 15
SCALE: 1"=40'	22
DESIGNED: BH	
CHECKED: CRN	
FILENAME: 32606.DWG	
DATE: 12/03/2020	



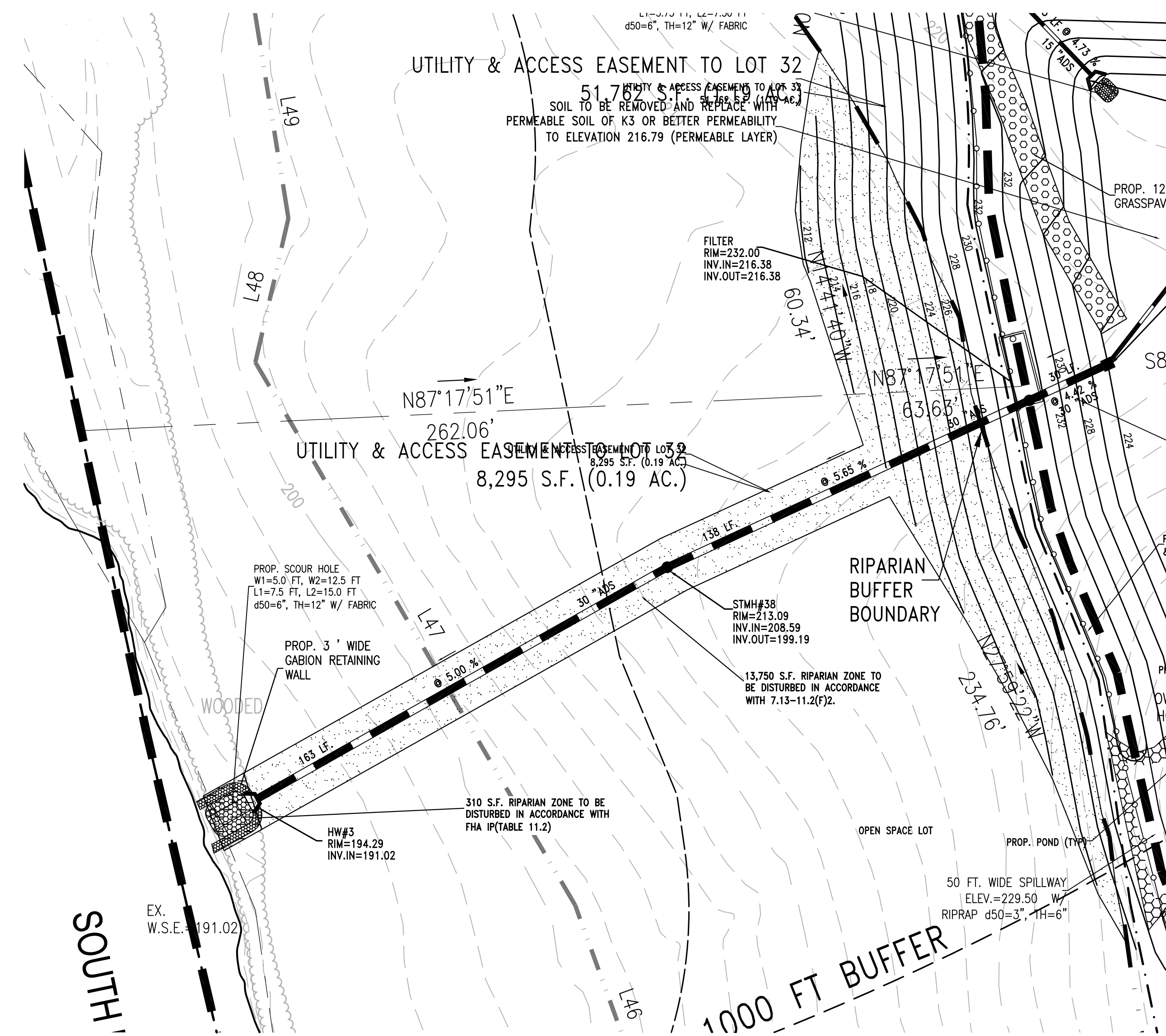




OFFSITE WATER MAIN PLAN



CROSS SECTION OF LANCASTER DR.



RIPARIAN BUFFER PERMIT PLAN

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THIS DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH. 908-238-0544 FAX. 908-238-9572  
 A PROFESSIONAL ASSOCIATION  
 CERTIFICATE OF AUTHORIZATION NO. 24GA28021500 EXP. 8/31/2022

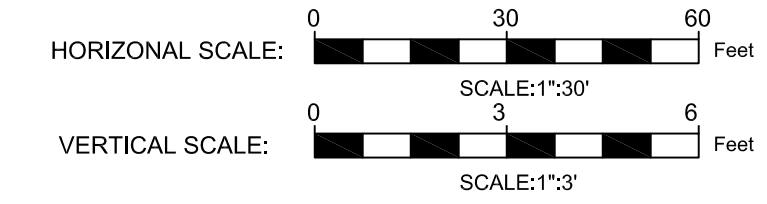
NO.	REVISION	BY	DATE
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020 DATE  
 WAYNE J. INGRAM  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04285200

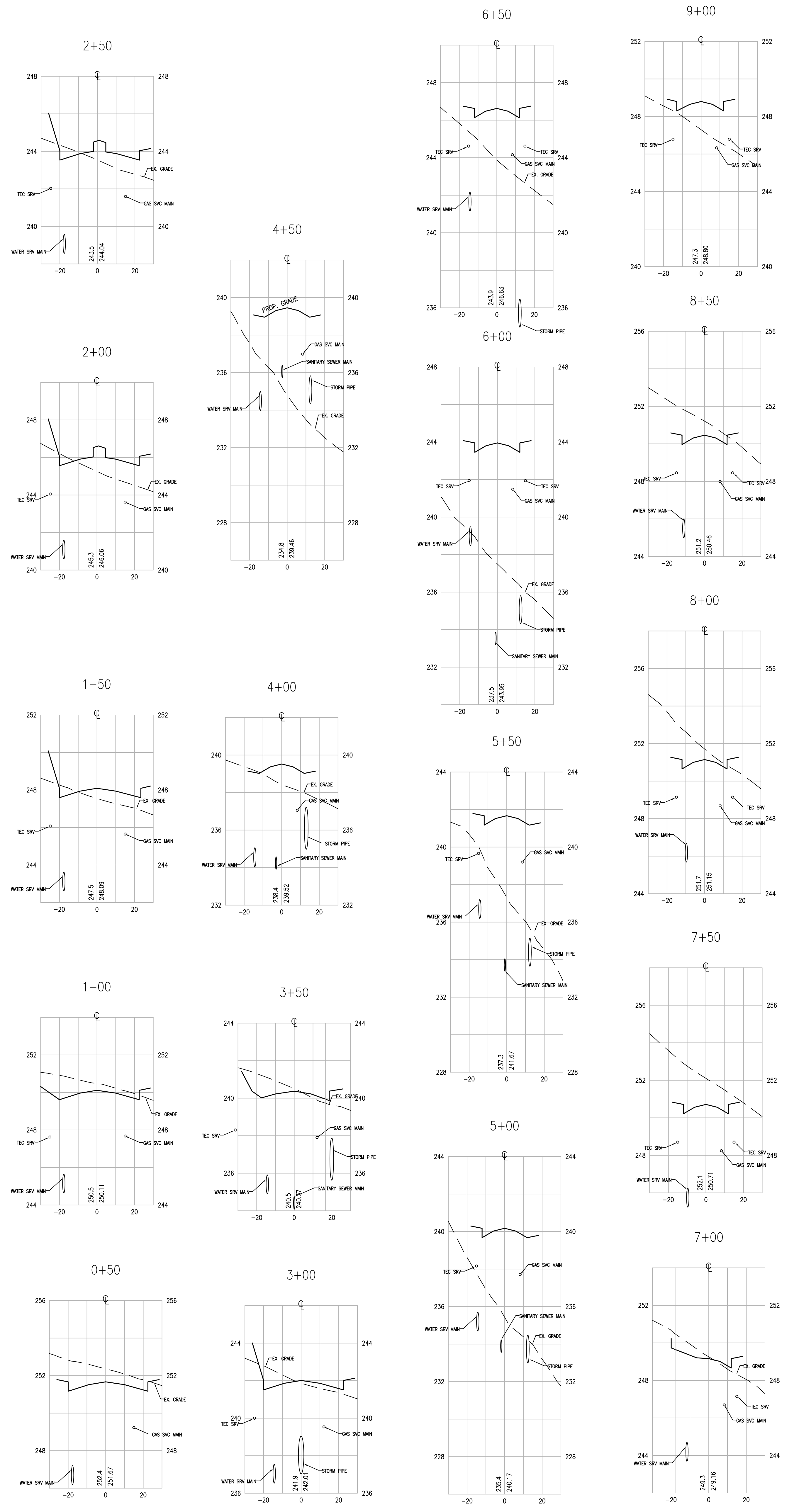
PROJECT:  
 CLINTON COMMONS  
 MINOR SUBDIVISION AND SITE PLAN  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

TITLE:  
 OFFSITE WATER MAIN PLAN,  
 SECTIONS OF LANCASTER DR  
 & RIPARIAN BUFFER PLAN

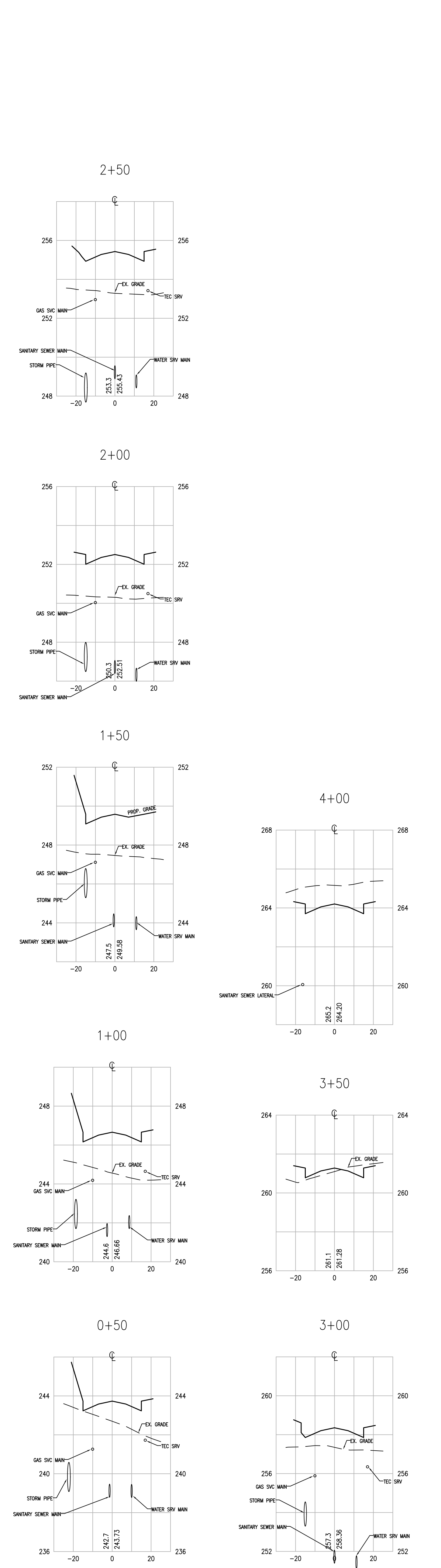
JOB NO.:	8144/32606	DRAWING NO.:	16
SCALE:	1"=30'		22
DESIGNED:	BH		
CHECKED:	CRN		
FILENAME:	32606.DWG		
DATE:	12/03/2020		



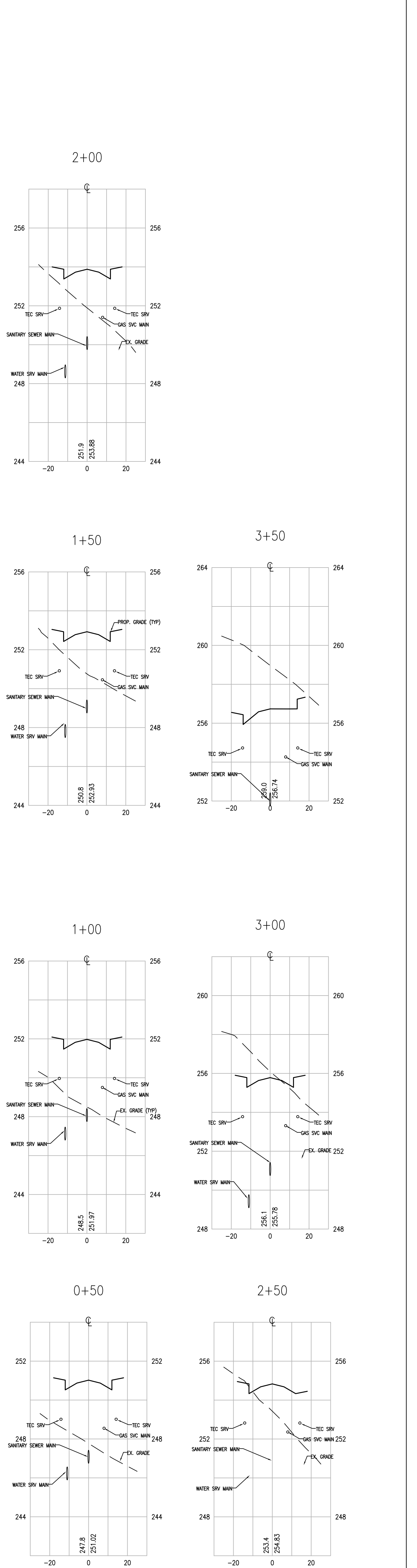




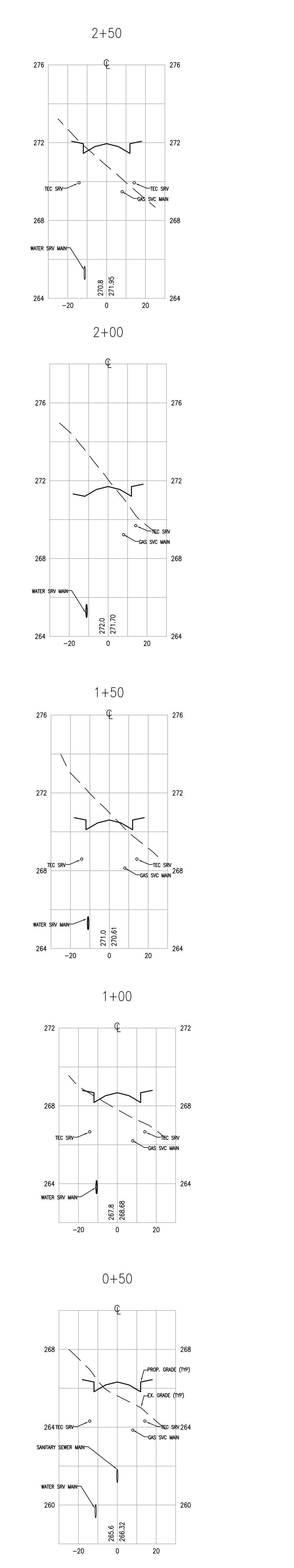
CROSS SECTION OF CLINTON COMMONS DR.



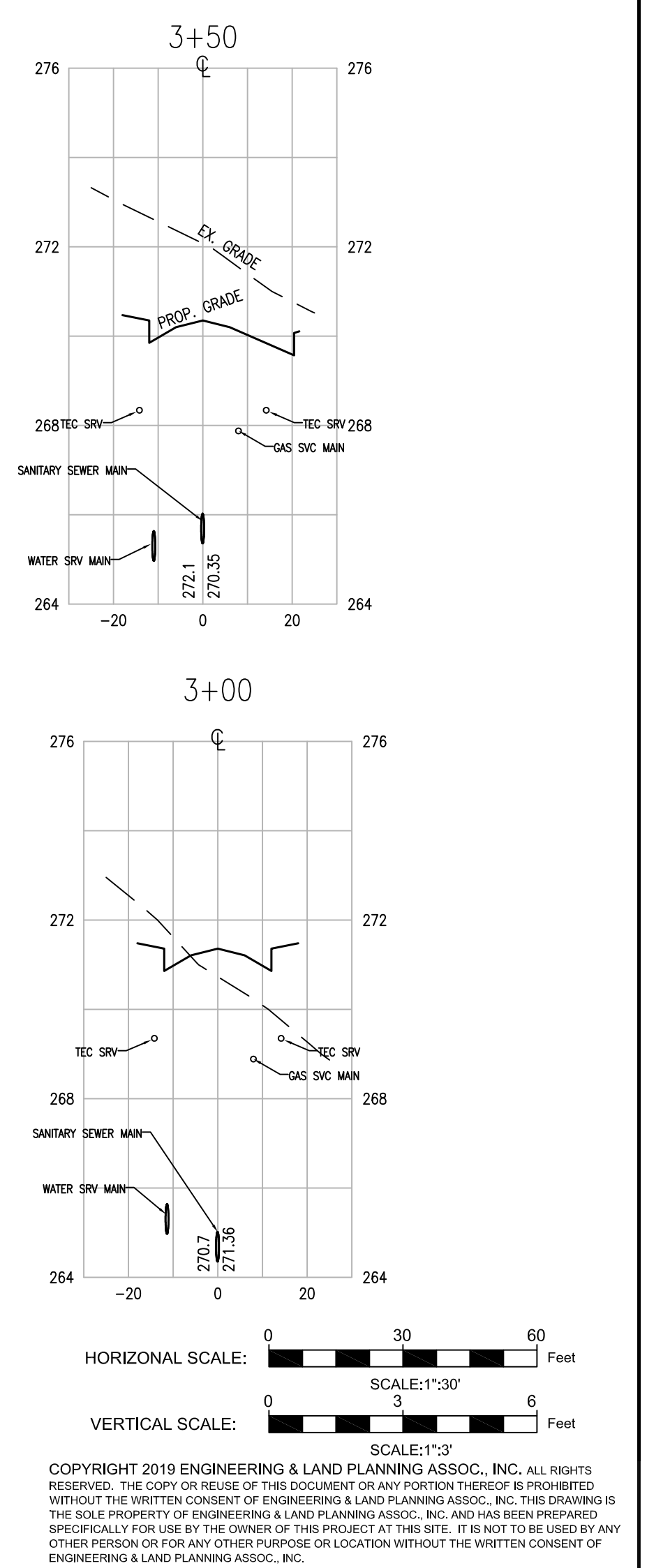
CROSS SECTION OF PLYMOUTH DR.



CROSS SECTION OF STRATFORD DR.



CROSS SECTION OF BUCKINGHAM DR.



**E&LP**

140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH. 908-238-0544 FAX. 908-238-9572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO. 24GA28021500 EXP. 8/31/2022

NO.	REVISION	BY	DATE
5	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

DATE: 12/3/2020  
WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24GB04258200

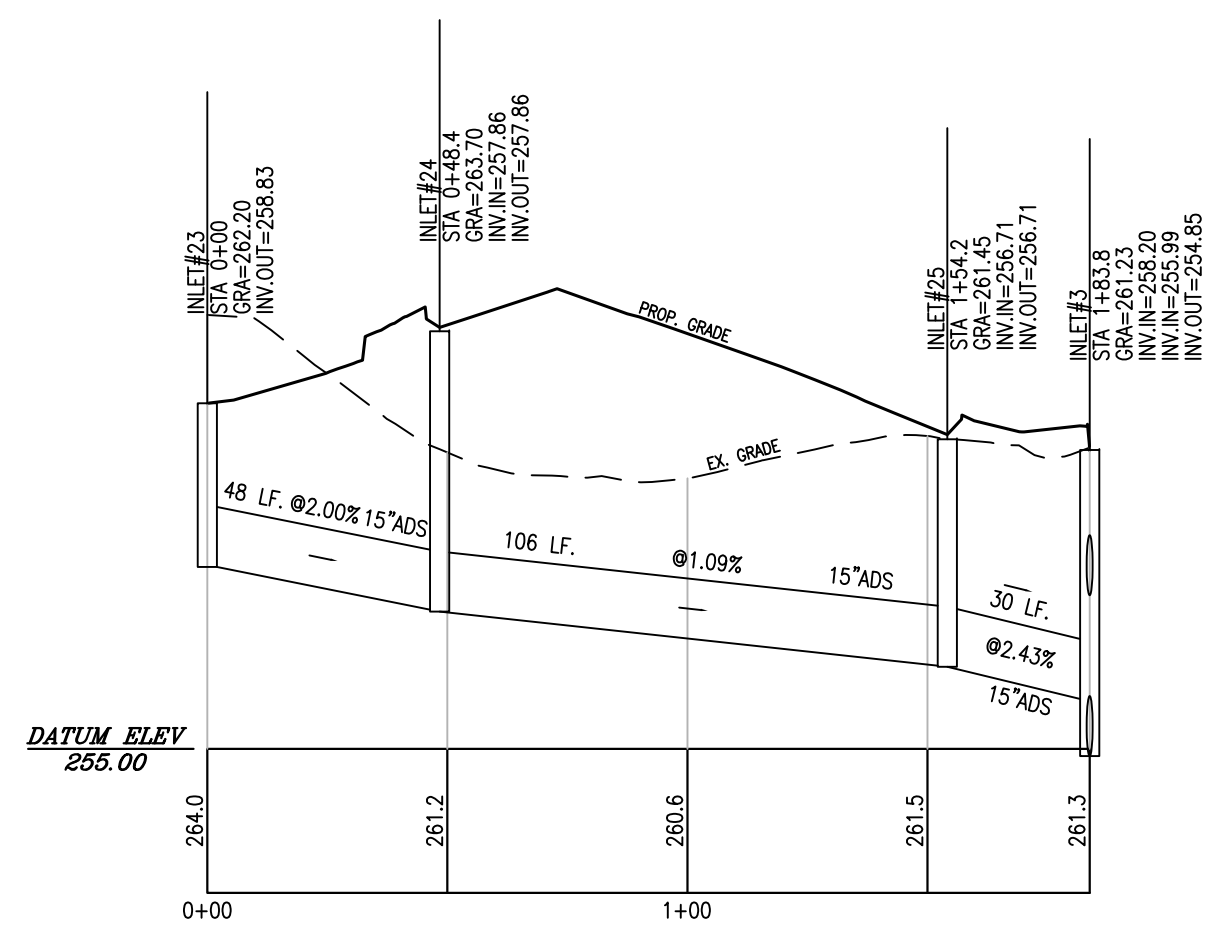
PROJECT: CLINTON COMMONS MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET BLOCK 14 LOT 32 TOWN OF CLINTON  
HUNTERDON COUNTY NEW JERSEY

TITLE: SECTIONS OF CLINTON COMMONS DR, PLYMOUTH DR, STRATFORD DR, BUCKINGHAM DR

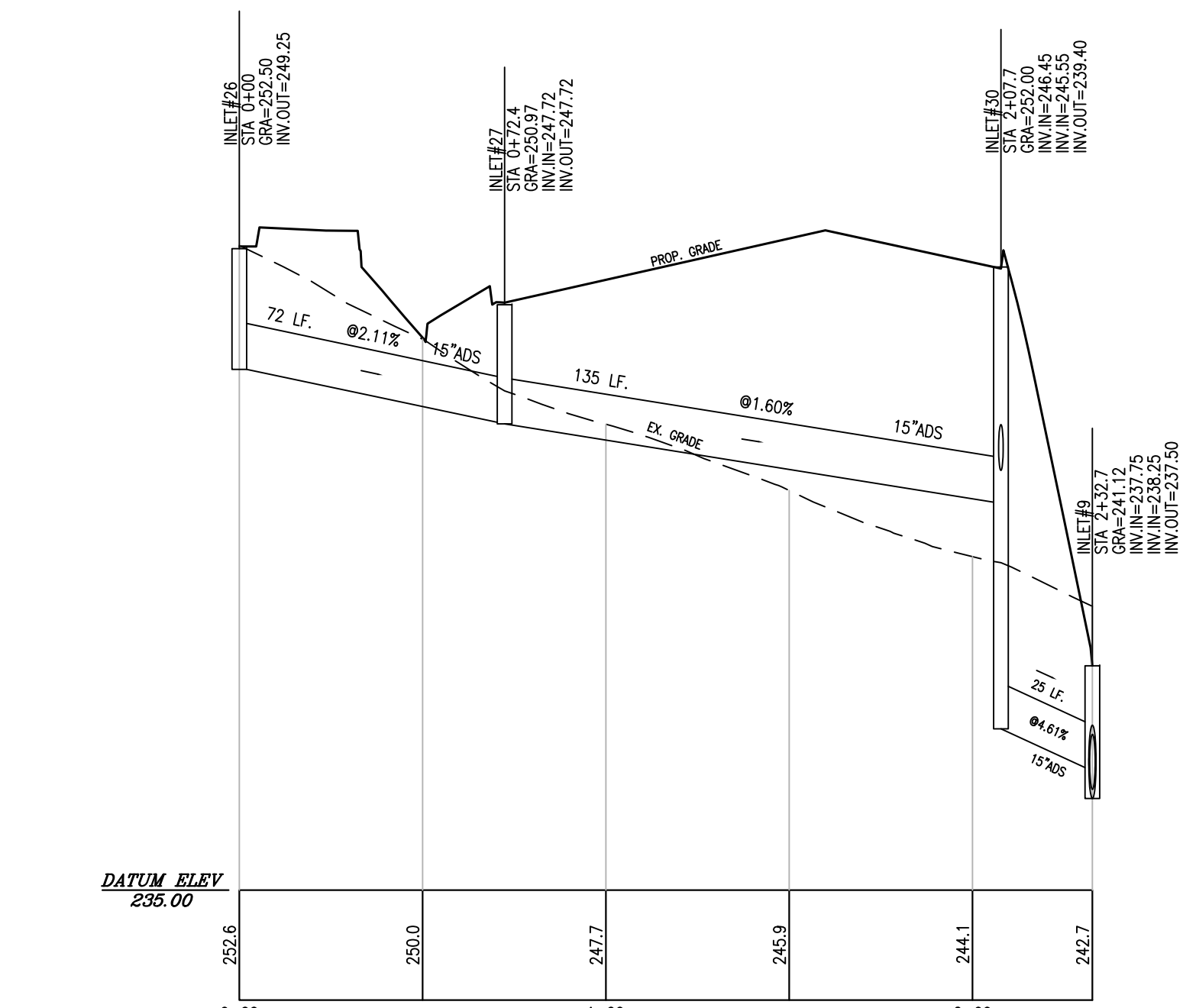
JOB NO.: 8144/32606  
SCALE: 1"=30'  
DESIGNED: BH  
CHECKED: CRN  
FILENAME: 32606.DWG  
DATE: 12/03/2020

DRAWING NO.: 17  
22

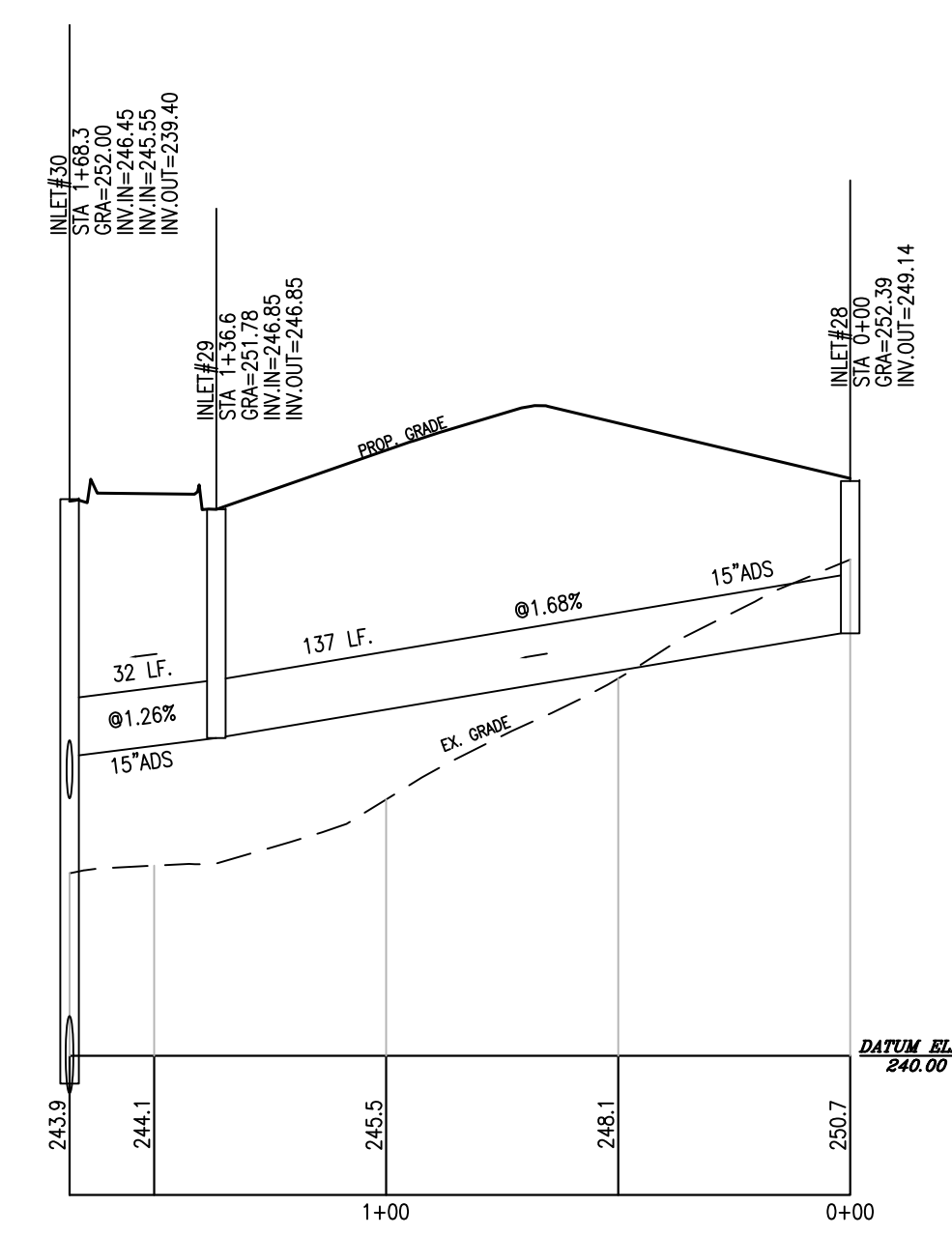




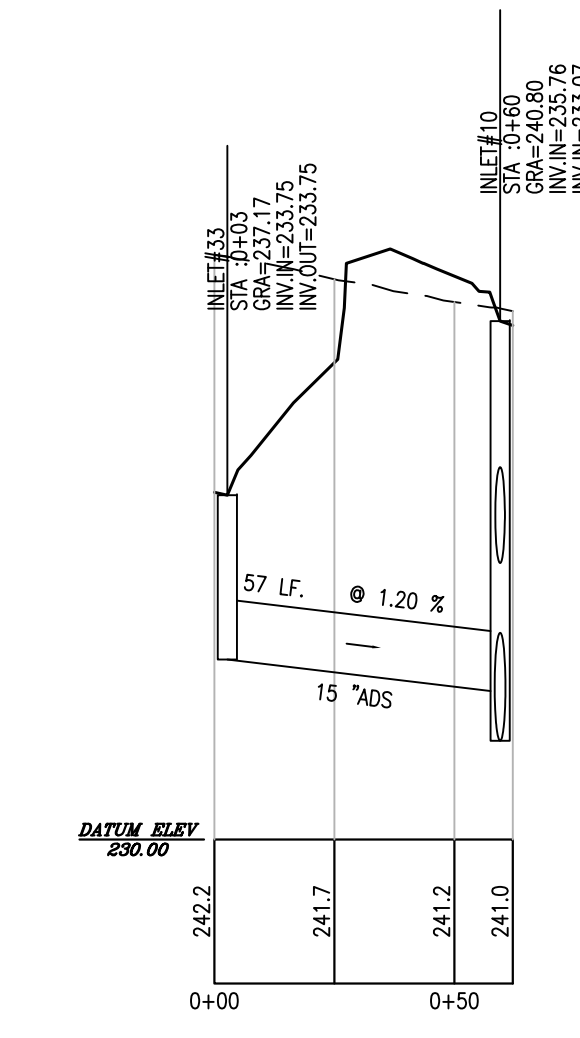
PROFILE OF STORM SEWER FROM INLET #23 TO INLET#3



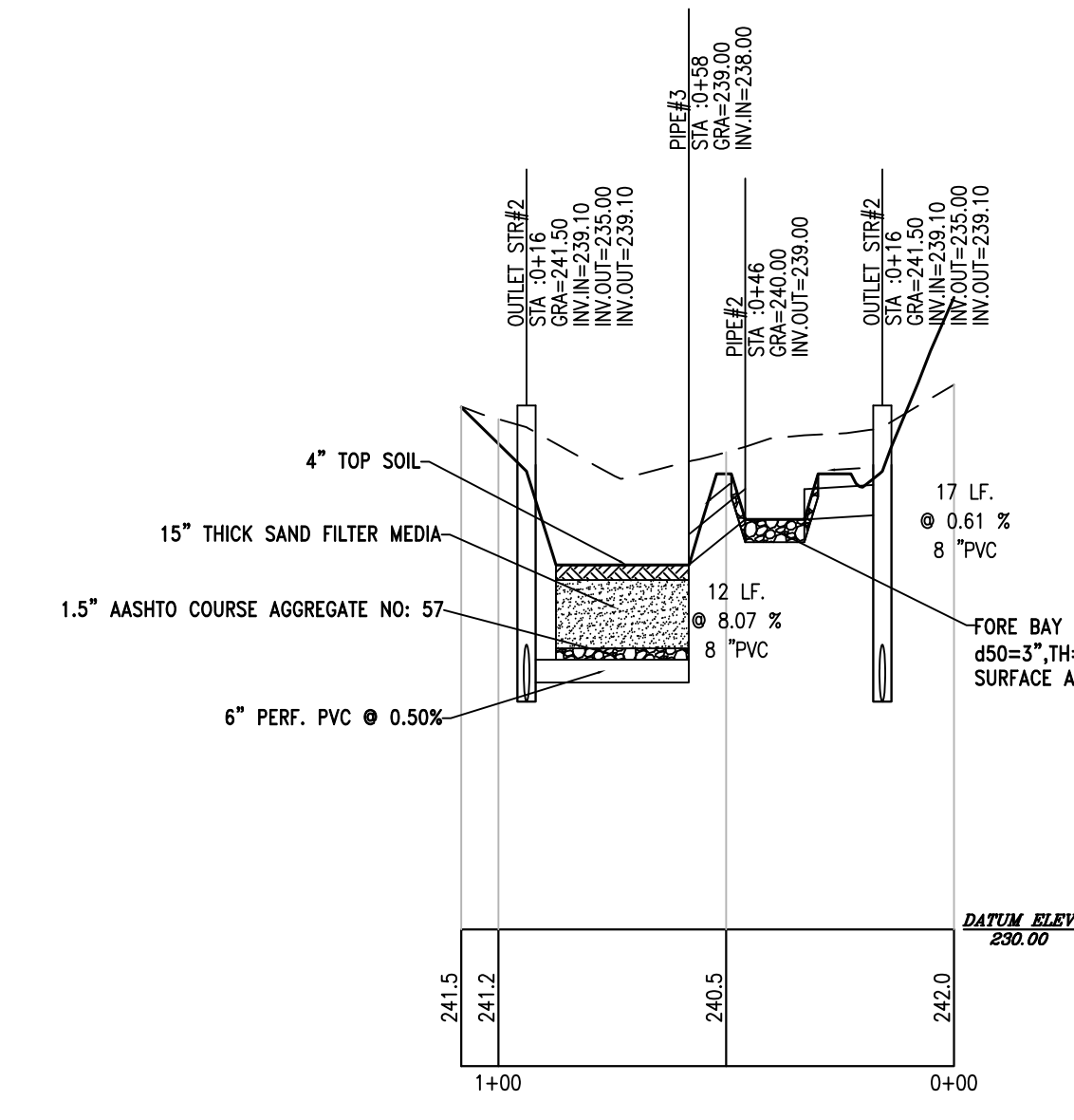
PROFILE OF STORM SEWER FROM INLET #26 TO INLET#9



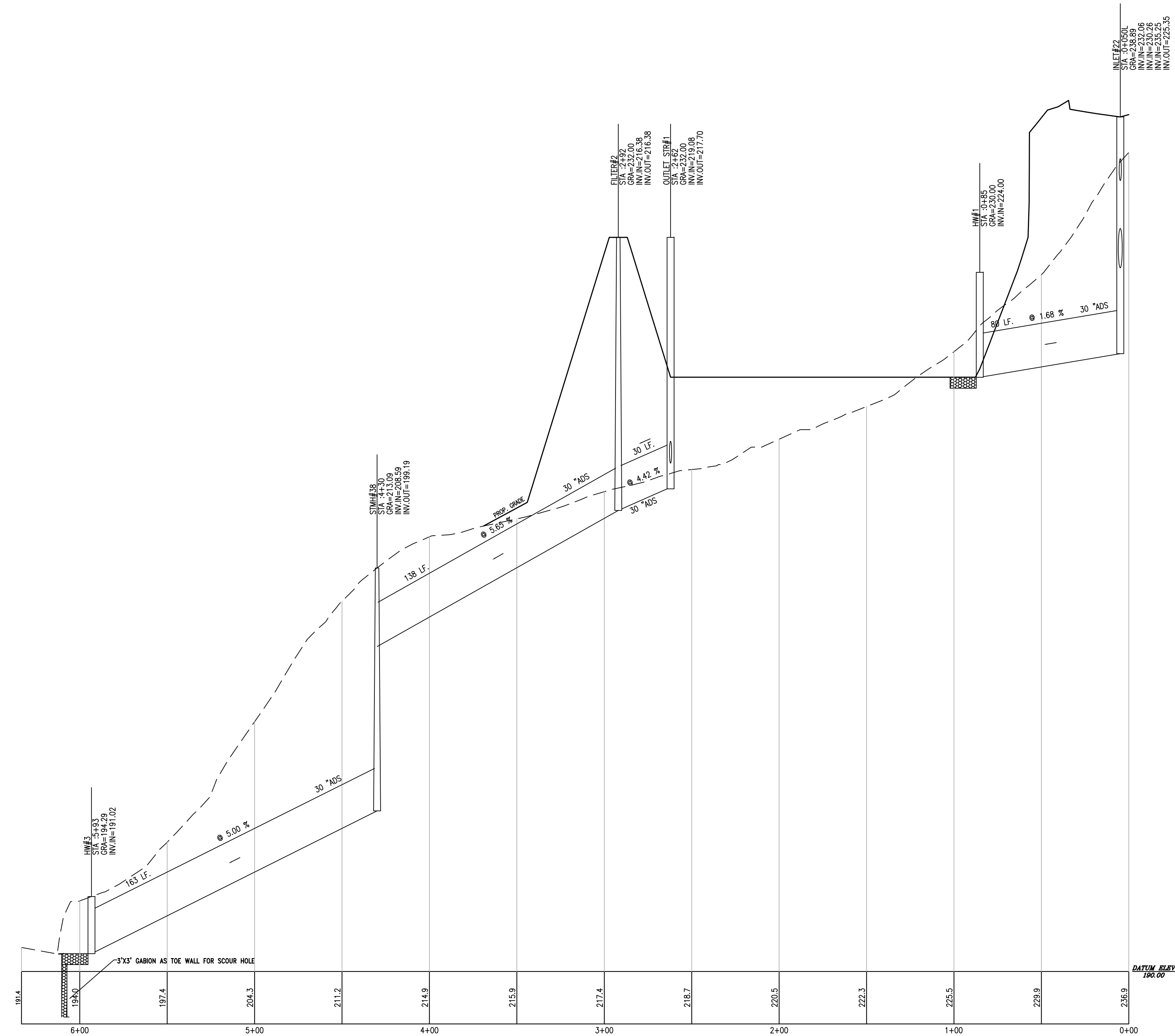
PROFILE OF STORM SEWER FROM INLET #28 TO INLET#30



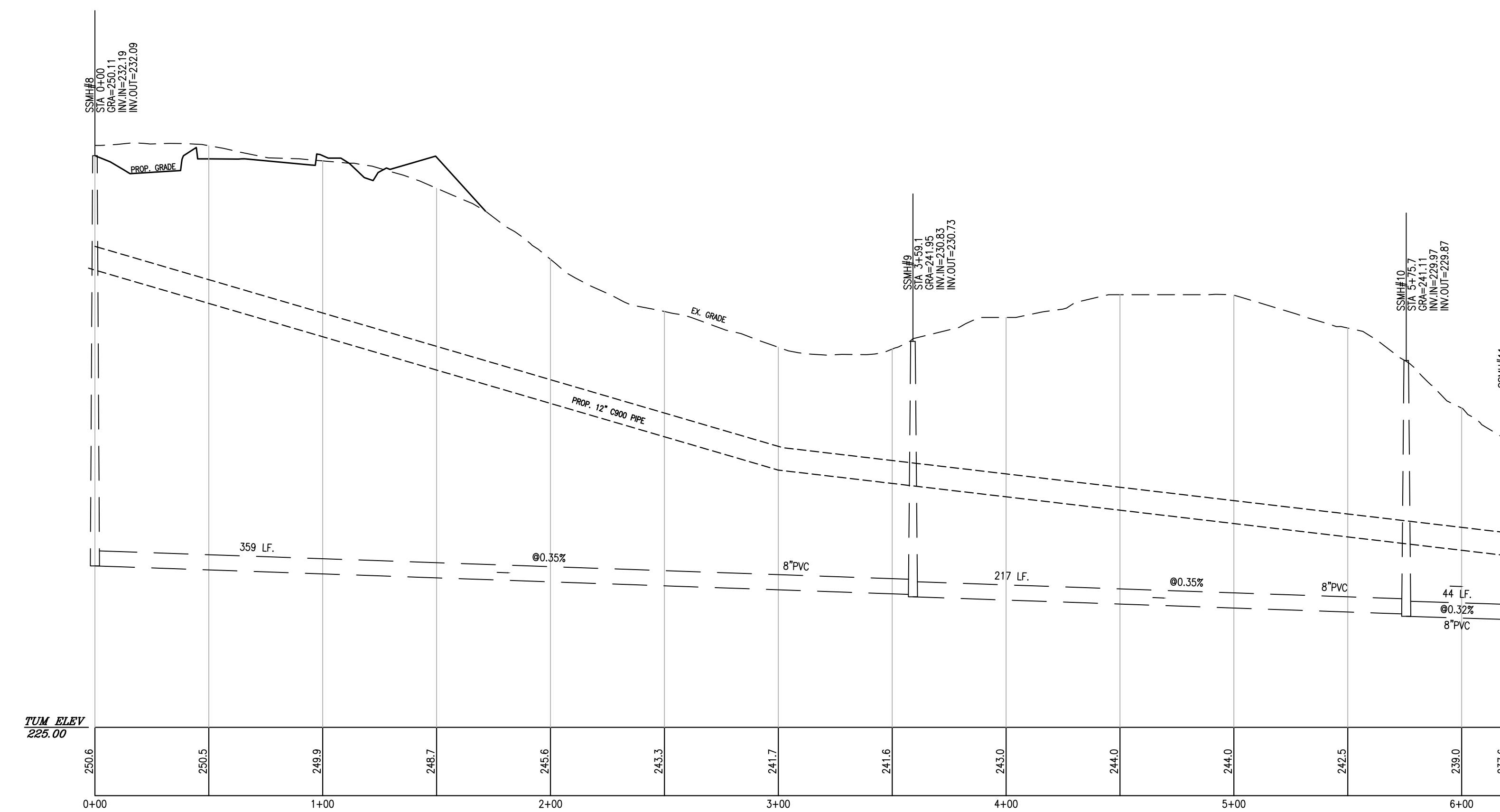
PROFILE OF STORM SEWER FROM INLET#33 TO INLET#10



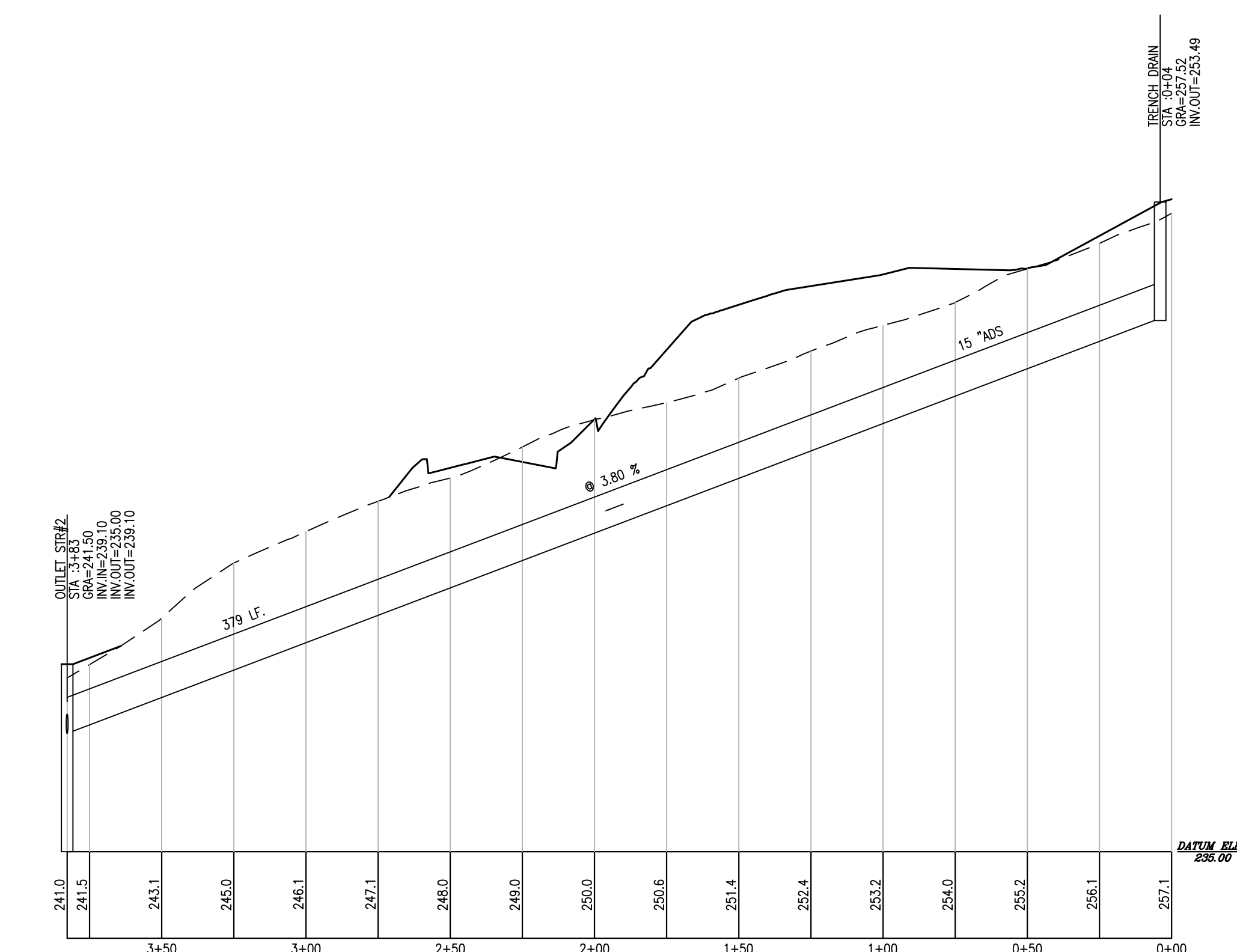
SECTION OF SAND FILTER



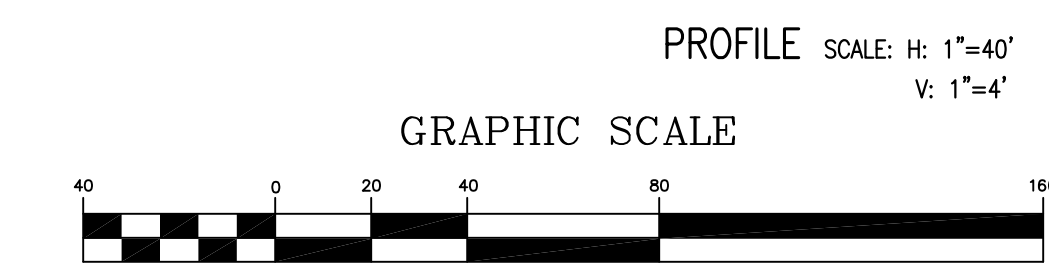
PROFILE OF STORM SEWER FROM INLET #22 TO HW#3



PROFILE OF SANITARY SEWER AND WATER FROM SSMH #8 TO SSMH#11



PROFILE OF STORM SEWER FROM TRENCH DRAIN TO OUTLET STR#2



PROFILE SCALE: H: 1"=40'  
V: 1"=4'

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIALLY FOR USE BY THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PURPOSE OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.

140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH: 908-238-0544 FAX: 908-238-0572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO.: 24G282021500 EXP: 8/31/2022

NO.	REVISION	BY	DATE
3	TWP REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

12/3/2020

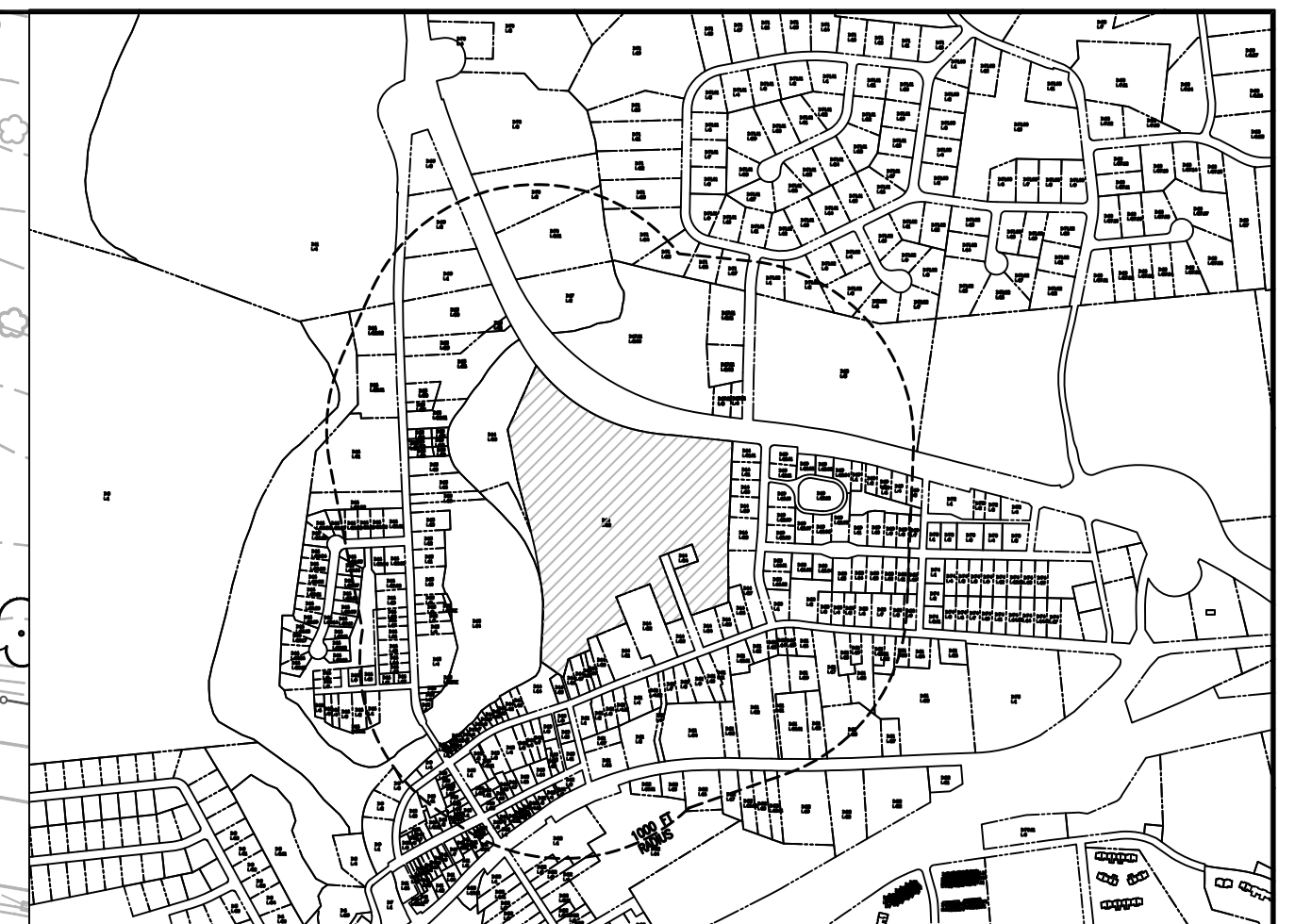
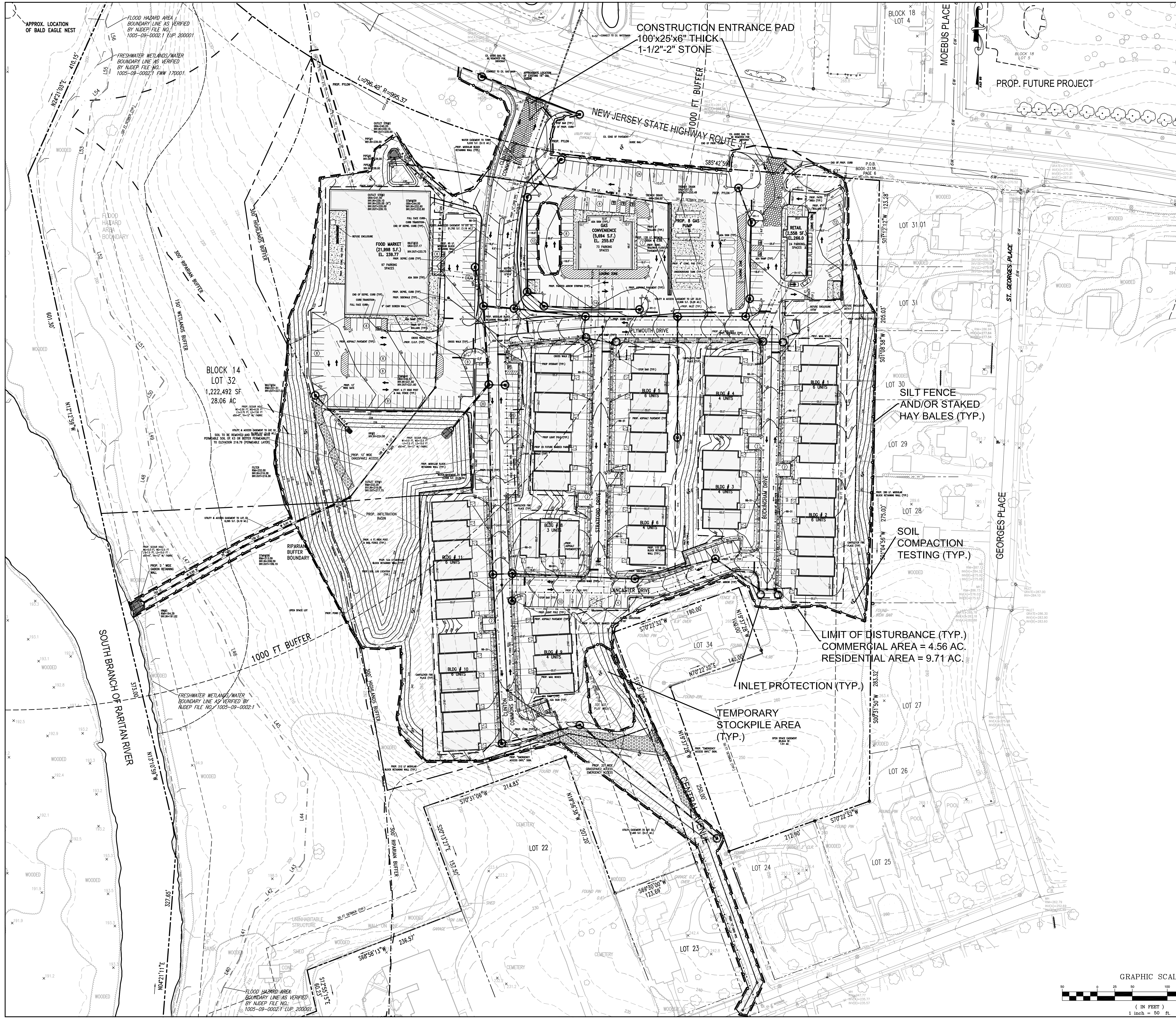
DATE WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24GB04286200

PROJECT:  
CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON  
HUNTERDON COUNTY NEW JERSEY

TITLE:  
PROFILE OF PROPOSED  
UTILITY

JOB NO.: 8144/32606	DRAWING NO.: 18
SCALE: 1"=40'	22
DESIGNED: BH	
CHECKED: CRN	
FILENAME: 32606.DWG	
DATE: 12/03/2020	





BLOCK 14  
LOT 32  
1,222,492 SF  
28.06 AC

CONSTRUCTION ENTRANCE PAD  
100'x25'x6" THICK  
1-1/2" 2" STONE

PROP. FUTURE PROJECT

SILT FENCE  
AND/OR STAKED  
HAY BALES (TYP.)

SOIL COMPACTION  
TESTING (TYP.)

LIMIT OF DISTURBANCE (TYP.)  
COMMERCIAL AREA = 4.56 AC.  
RESIDENTIAL AREA = 9.71 AC.

INLET PROTECTION (TYP.)  
TEMPORARY  
STOCKPILE AREA  
(TYP.)

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THIS SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PROJECT OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH: 908-238-0544 FAX: 908-238-0572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO.: 24G42021500 EXP: 8/31/2022

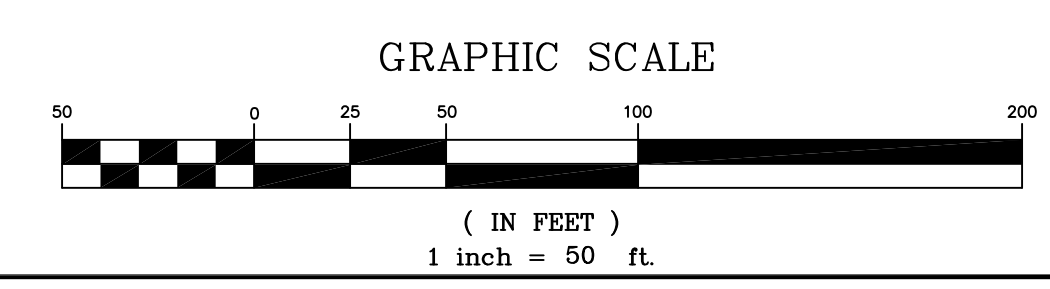
NO.	REVISION	BY	DATE
3	TWP REV.	BH	5-24-21
4	DEP REV.	BH	4-23-21
3	DEP REV.	BH	4-20-21
2	DEP REV.	BH	4-18-21
1	DEP REV.	BH	1-30-21

12/3/2020  
DATE  
WAYNE J. INGRAM  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24G804258200

PROJECT:  
CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON  
HUNTERDON COUNTY NEW JERSEY

TITLE:  
SOIL EROSION AND  
SEDIMENT CONTROL PLAN

JOB NO.: 8144/32606	DRAWING NO.: 19
SCALE: 1"=50'	22
DESIGNED: BH	
CHECKED: CRN	
FILENAME: 32606.DWG	
DATE: 12/03/2020	





SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. The Hunterdon County Soil Conservation District shall be notified forty-eight (48) hours in advance of any soil disturbing activity.
2. All Soil Erosion and Sediment Control practices are to be installed prior to soil disturbance, or in their proper sequence, and maintained until permanent protection is established.
3. Any changes to the Certified Soil Erosion and Sediment Control Plans will require the submission of revised Soil Erosion and Sediment Control Plans to the District for re-certification.

STABILIZATION WITH MULCH ONLY

- 1. Site Preparation
A. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading.
2. Mulch Materials
A. Unrotted small-grain straw, at 2.0 to 2.5 tons per acre, is spread uniformly at 90 to 115 pounds per 1,000 square feet and anchored with a mulch anchoring tool...

MANAGEMENT OF HIGH ACID PRODUCING SOIL

- 1. Limit the excavation time and exposure time when high acid producing soils are encountered.
2. Topsoil stripped from the site shall be stored separately from temporarily stockpiled high acid producing soils.
3. Stockpiles of high acid producing soil should be located on level land to minimize its movement, especially when the material has a high clay content.

SOIL DE-COMPACTION AND TESTING REQUIREMENTS

Soil Compaction Testing Requirements

- 1. Subgrade soils prior to the application of topsoil (see permanent seeding and stabilization notes for topsoil requirements) shall be free of excessive compaction to a depth of 6.0 inches to enhance the establishment of permanent vegetative cover.
2. Areas of the site which are subject to compaction testing and/or mitigation are graphically denoted on the certified soil erosion control plan.

Compaction Testing Methods

Soil Compaction Testing Requirements

- 1. Subgrade soils prior to the application of topsoil (see permanent seeding and stabilization notes for topsoil requirements) shall be free of excessive compaction to a depth of 6.0 inches to enhance the establishment of permanent vegetative cover.
2. Areas of the site which are subject to compaction testing and/or mitigation are graphically denoted on the certified soil erosion control plan.

Compaction Testing Methods

- A. Probing Wire Test (see detail)
B. Hand-held Penetrometer Test (see detail)
C. Tube Bulk Density Test (licensed professional engineer required)
D. Nuclear Density Test (licensed professional engineer required)

Note: Additional testing methods which conform to ASTM standards and specifications, and which produce a dry weight, soil bulk density measurement may be allowed subject to District approval.

Soil compaction testing is not required if/when subsoil compaction remediation (scarification/tillage (6" minimum depth) or similar) is proposed as part of the sequence of construction.

Procedures for Soil Compaction Mitigation

Procedures shall be used to mitigate excessive soil compaction prior to placement of topsoil and establishment of permanent vegetative cover.

Restoration of compacted soils shall be through deep scarification/tillage (6" minimum depth) where there is no danger to underground utilities (cables, irrigation systems, etc.). In the alternative, another method as specified by a New Jersey Licensed Professional Engineer maybe substituted subject to District approval.

- A. Probing Wire Test (see detail)
B. Hand-held Penetrometer Test (see detail)
C. Tube Bulk Density Test (licensed professional engineer required)
D. Nuclear Density Test (licensed professional engineer required)

Note: Additional testing methods which conform to ASTM standards and specifications, and which produce a dry weight, soil bulk density measurement may be allowed subject to District approval.

Soil compaction testing is not required if/when subsoil compaction remediation (scarification/tillage (6" minimum depth) or similar) is proposed as part of the sequence of construction.

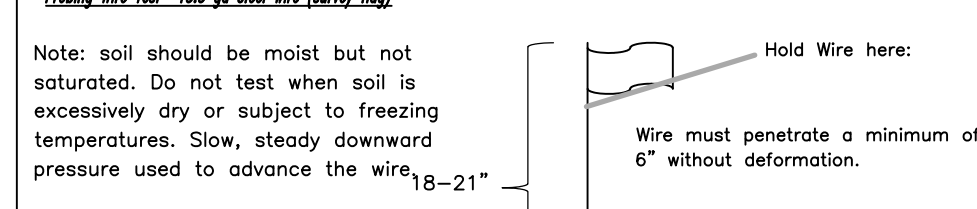
Procedures for Soil Compaction Mitigation

Procedures shall be used to mitigate excessive soil compaction prior to placement of topsoil and establishment of permanent vegetative cover.

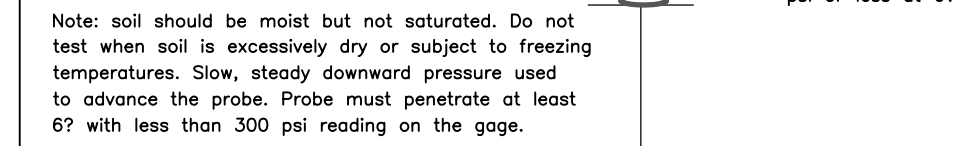
Restoration of compacted soils shall be through deep scarification/tillage (6" minimum depth) where there is no danger to underground utilities (cables, irrigation systems, etc.). In the alternative, another method as specified by a New Jersey Licensed Professional Engineer maybe substituted subject to District approval.

Simplified Testing Methods

Probing Wire Test - 1/8" gal wire (varies depth)



Handheld Soil Penetration Test



- A. Penetration Testing
1. Applications should be heavier at edges where wind catches the mulch, in valleys, and at crests of banks. Reminders of areas should be uniform in appearance.
2. Use one of the following:
a. Organic and Vegetable Based Binders - Naturally occurring, powder based, hydrophilic materials that mixed with water formulates a gel...

METHODS AND MATERIALS FOR TOPSOILING

- 1. Materials
A. Topsoil should be friable, loamy, free of debris, objectionable weeds and stones, and contain no toxic substance or adverse chemical or physical condition that may be harmful to plant growth.

STANDARDS FOR DUST CONTROL

- 1. To be utilized on exposed soil surfaces to prevent blowing and movement of dust to minimize on and off site damage and improve traffic safety.
2. The following methods should be considered to control dust:
a. Mulches - see the standard for stabilization with mulch.

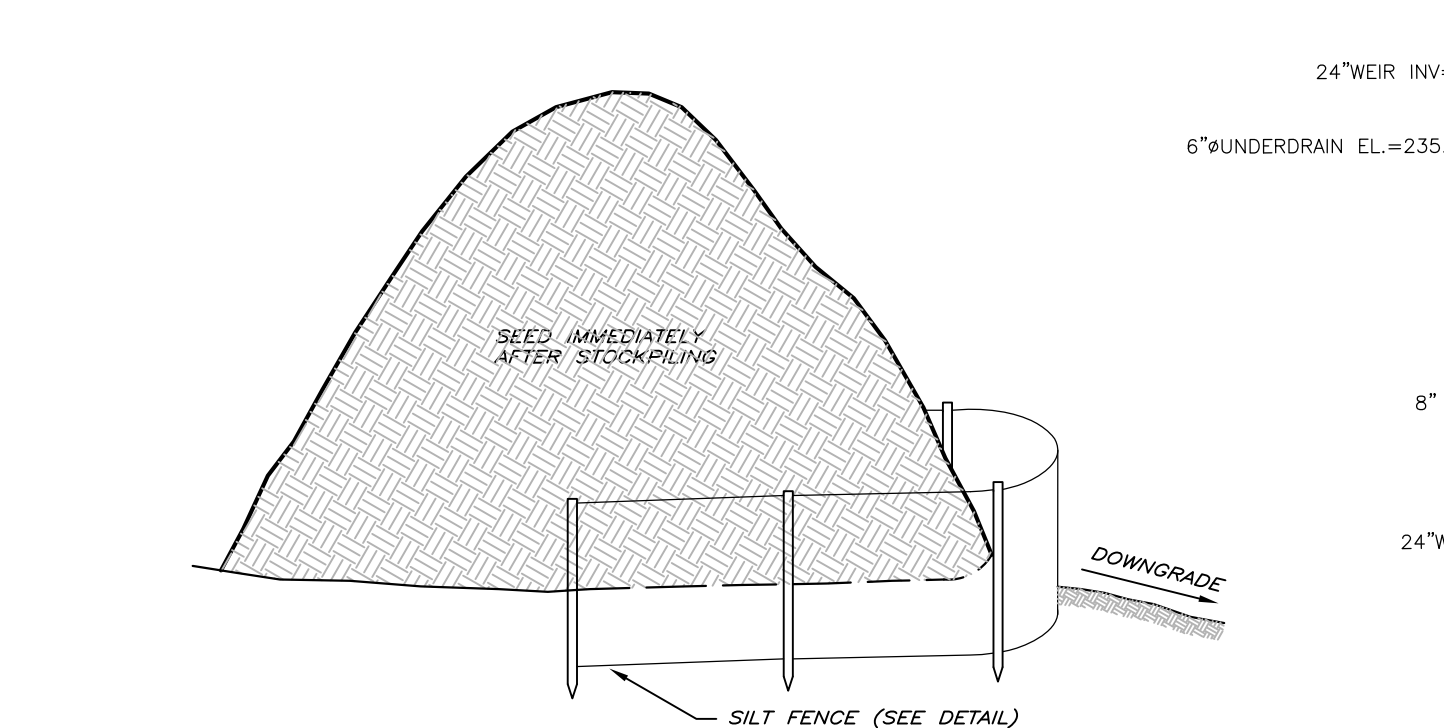
Table with 4 columns: Material, Quantity, Application, Note. Includes Latex emulsion (12.5:1), Resin in water (4:1), and fine spray (235, 300).

- d. Tillage - this is a temporary emergency measure to roughen the surface and bring clods to the surface. This method should be used before soil starts blowing. Begin plowing on windward side of site. Chisel type plows with 12" spacing and spring toothed harrows may produce the desired effect.

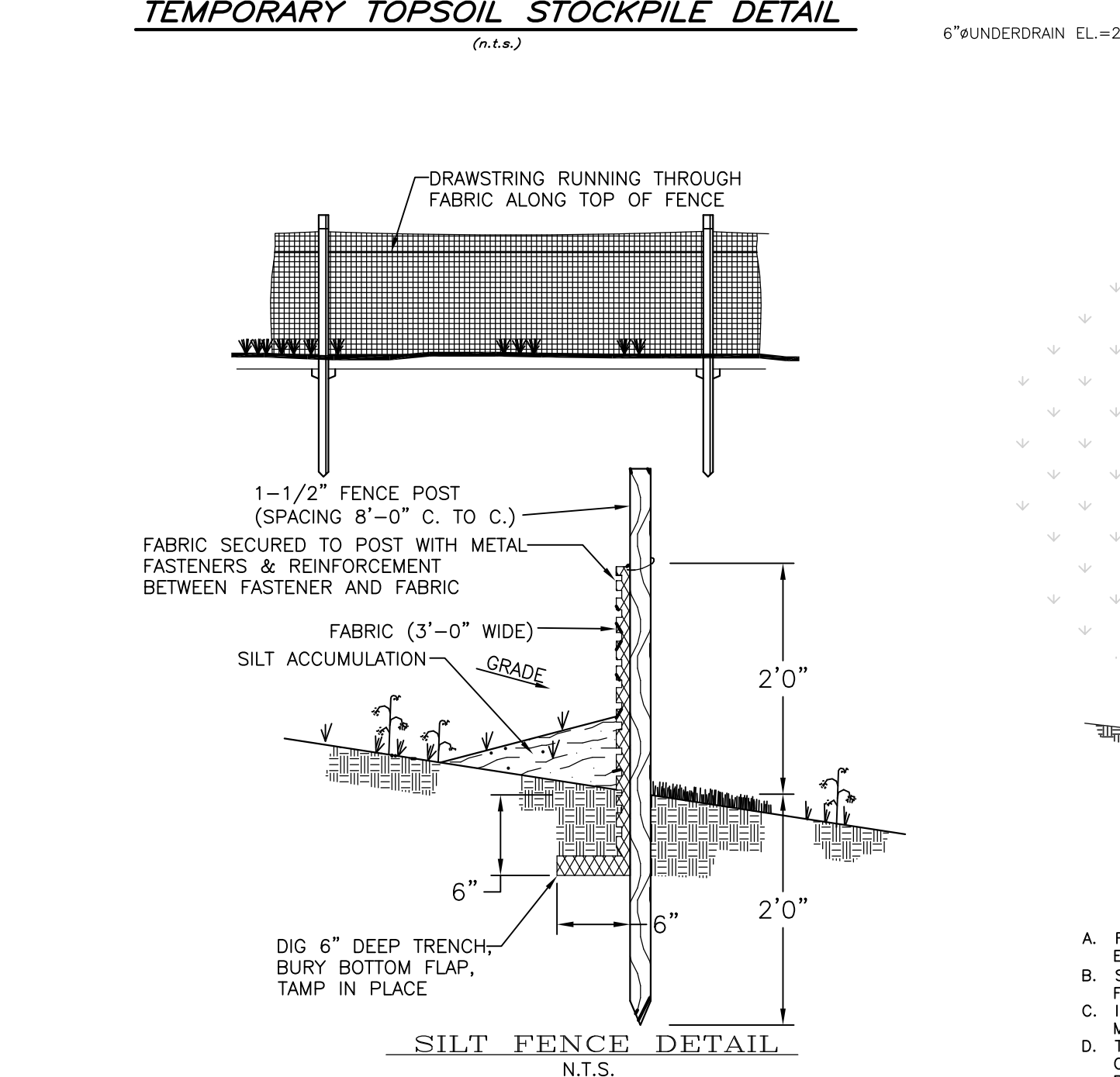
- 1. Construct temporary diversion berm and/or hay bale barriers around stockpile area as required.
2. Apply limestone at a rate of 90 lbs/1000 SF.
3. Apply fertilizer (10-20-10) at a rate of 11 lbs/1000 SF.

PROPOSED SEQUENCE OF DEVELOPMENT

- 1. Provide tree protection fencing then perform site clearing operation. (15 day)
2. Install temporary gravel pads at all construction entrances, as shown on the plans. (2 day)
3. Install dug-in and staked hay bales or sediment barrier fencing as shown on the plans. (5 day)
4. Grade lot. (30 week)
5. Construct infiltration basin. (10 days)



TEMPORARY TOPSOIL STOCKPILE DETAIL



Root Protection During Construction Guide

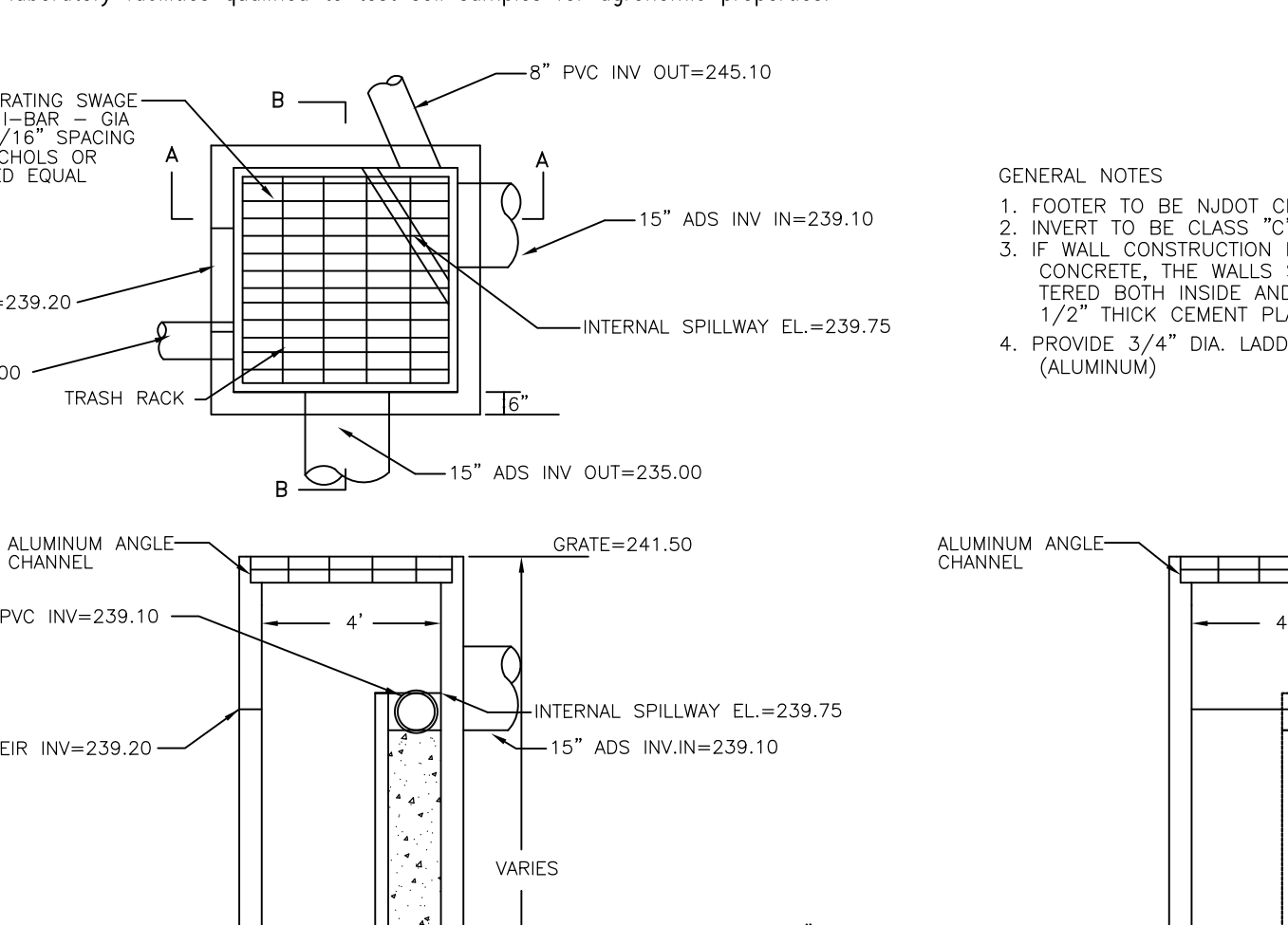
METHODS AND MATERIALS FOR TOPSOILING

- 1. Materials
A. Topsoil should be friable, loamy, free of debris, objectionable weeds and stones, and contain no toxic substance or adverse chemical or physical condition that may be harmful to plant growth.

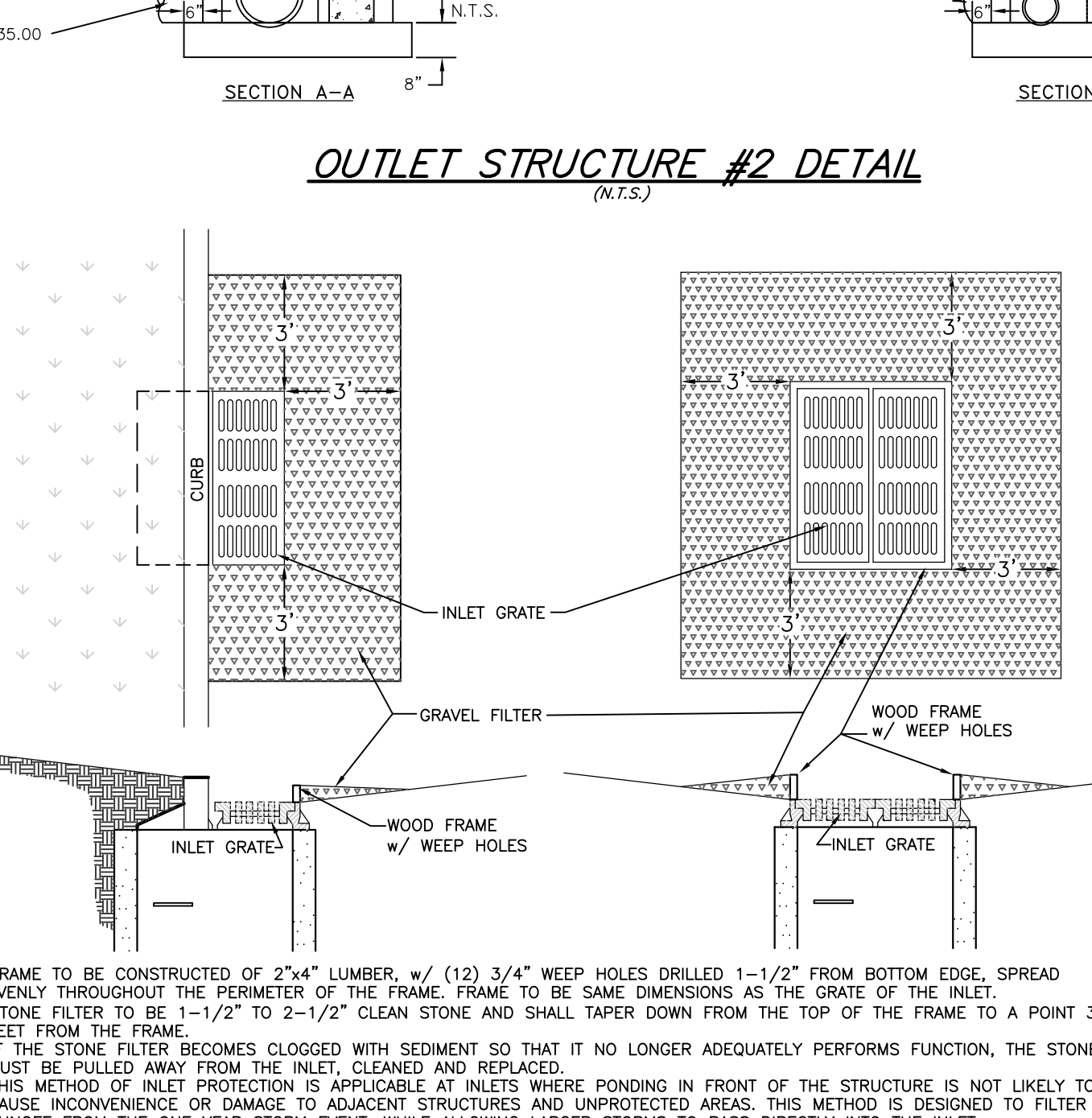
- A. Field exploration should be made to determine whether quantity and or quality of surface soil justifies stripping.
B. Stripping shall be confined to the immediate construction area.
C. Vegetative cover - see the standard for temporary vegetative cover and permanent cover.

- A. Grade at the onset of the optimal seeding period so as to minimize the duration and area of exposure of disturbed soil to erosion. Immediately proceed to establish vegetative cover in accordance with the specified seed mixture. Time is of the essence.
B. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application and anchoring, and maintenance.

- A. Topsoil should be handled only when it is dry enough to work without damaging soil structure; i.e., less than field capacity (see glossary).
B. A uniform application to an average depth of 5.0 inches, minimum of 4 inches, firmed in place is required. Alternative depths may be considered where special regulatory and/or industry design standards are appropriate such as golf courses, sports fields, landfill capping, etc.

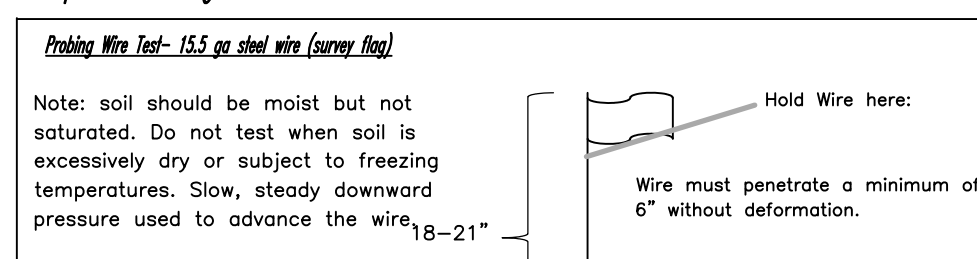


OUTLET STRUCTURE #2 DETAIL

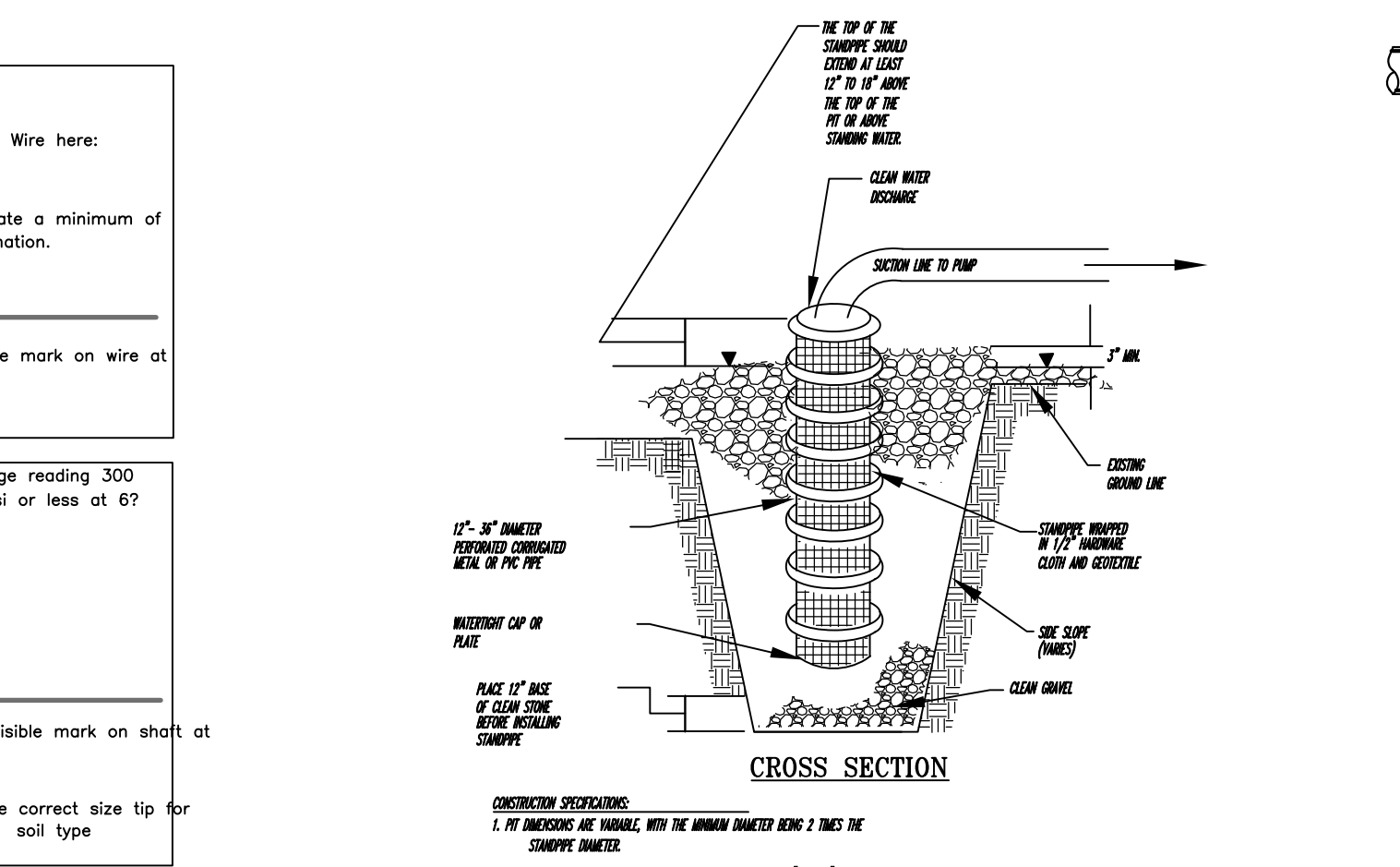
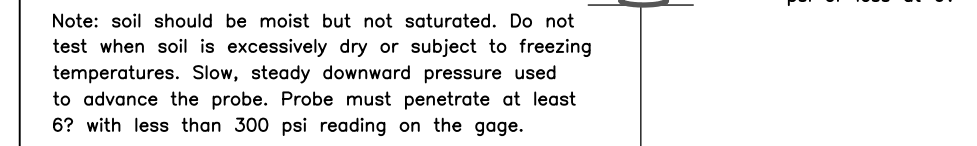


OUTLET STRUCTURE #1 DETAIL

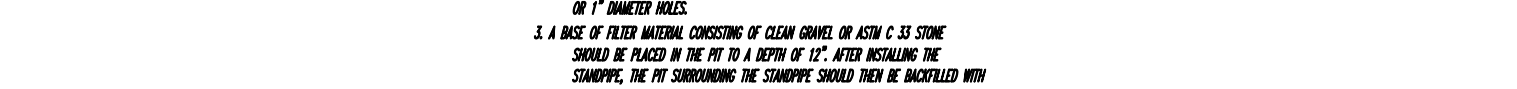
Simplified Testing Methods



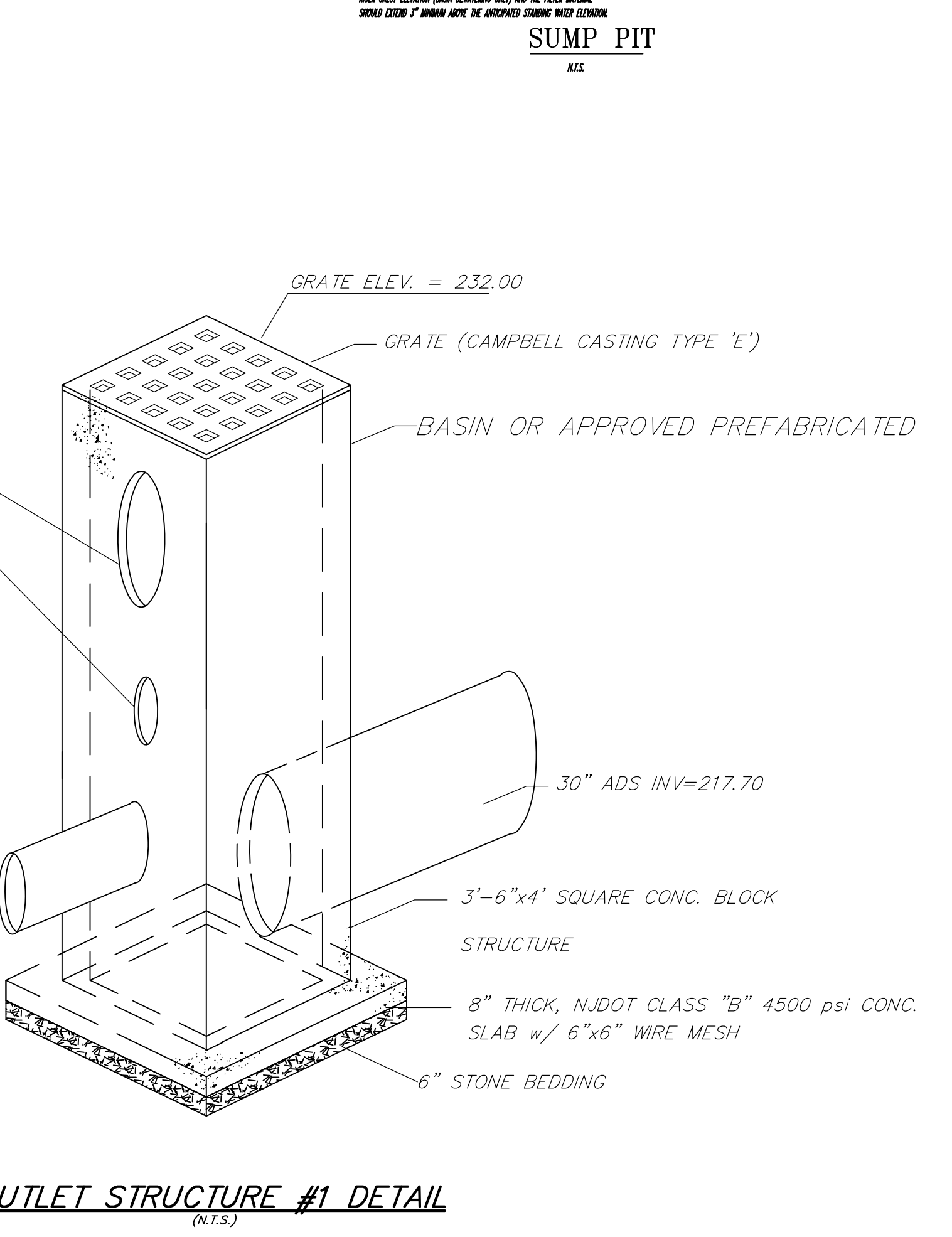
Handheld Soil Penetration Test



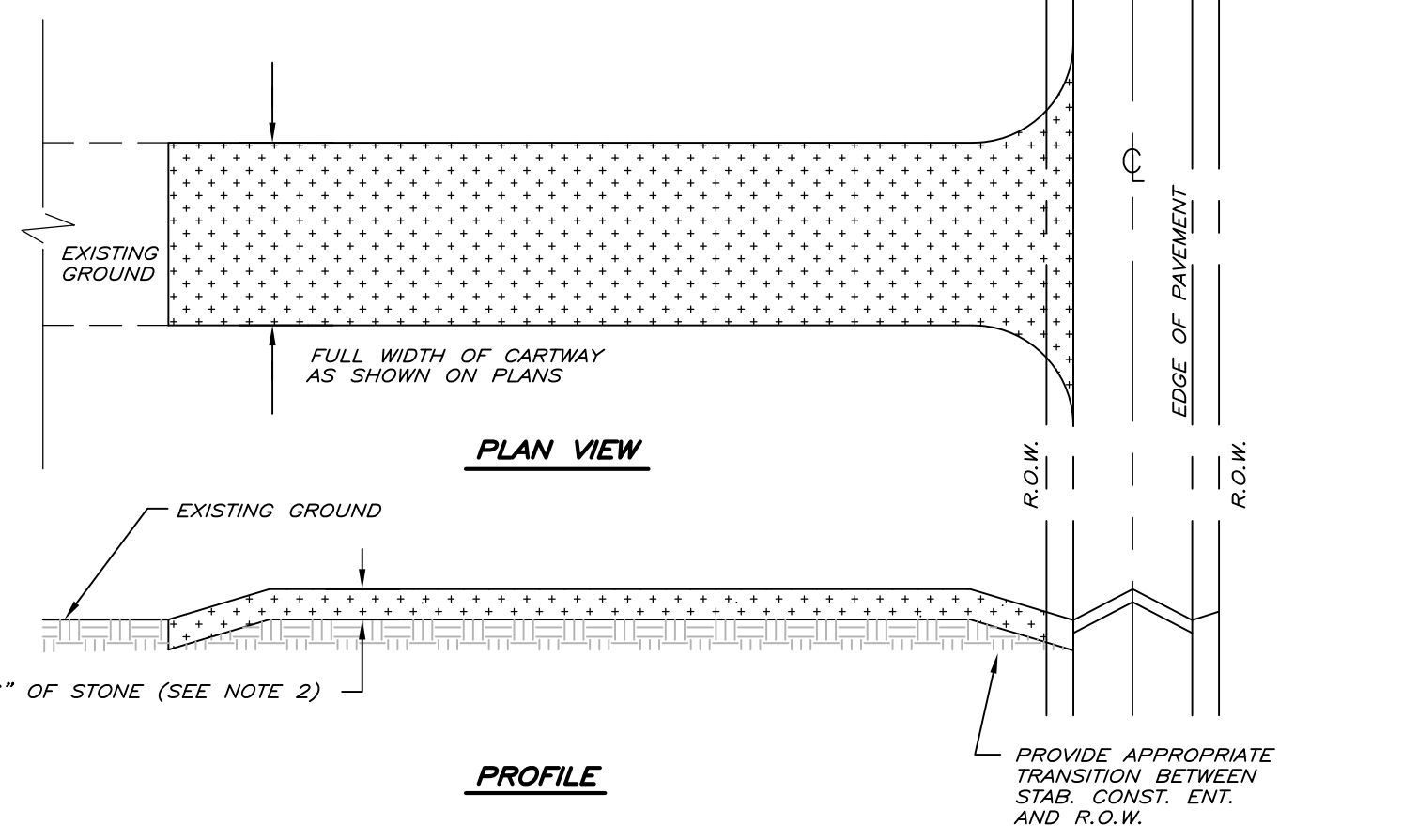
SCOUR HOLE



SUMP PIT



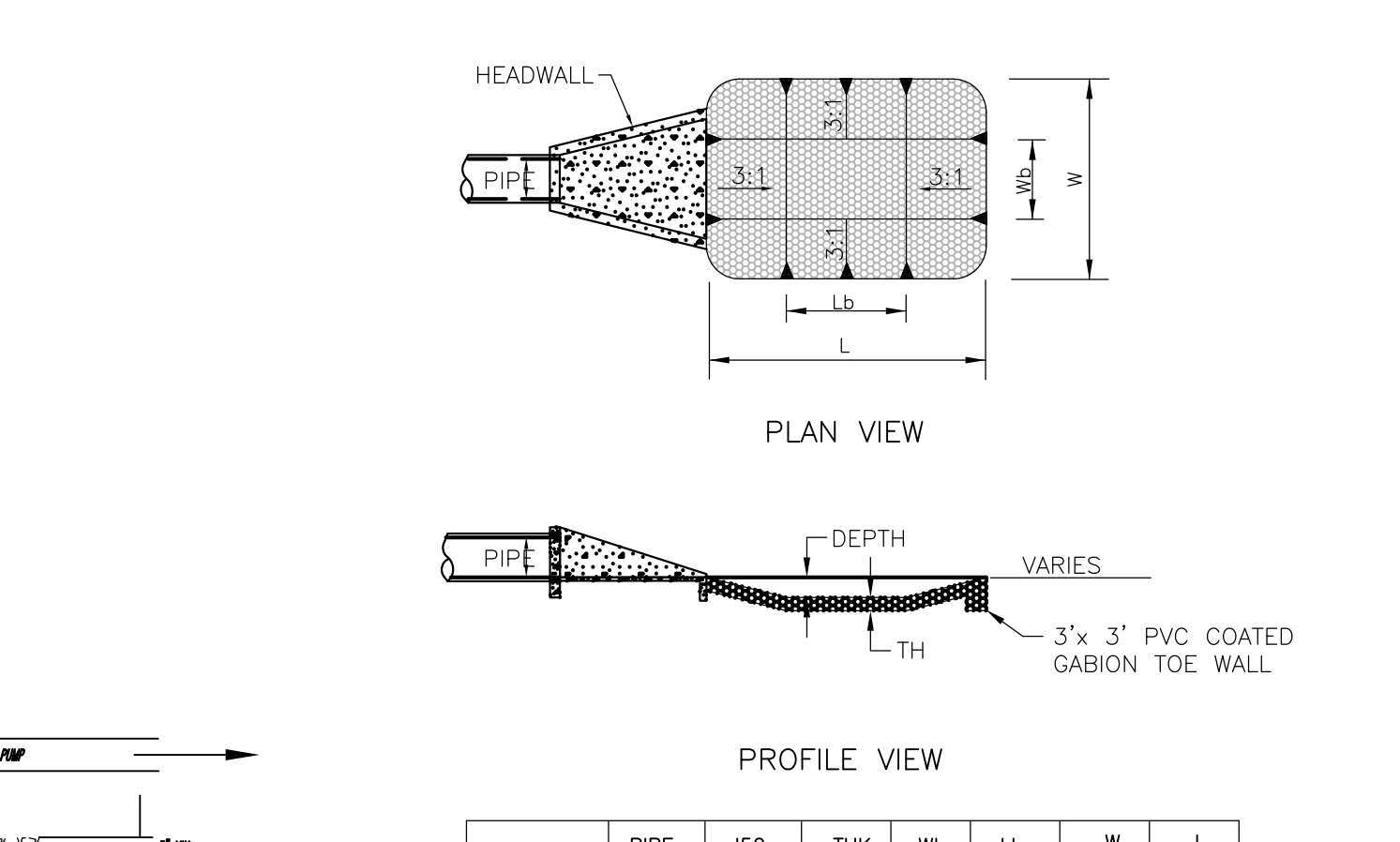
OUTLET STRUCTURE #1 DETAIL



STABILIZED CONSTRUCTION ENTRANCE

- Notes: 1. PLACE STABILIZED CONSTRUCTION ENTRANCE AT LOCATION(S) AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
2. STONE SIZE SHALL BE ASTH C-33, SIZE NO. 2 OR 3 CRUSHED STONE.
3. THE THICKNESS OF THE STAB. CONST. ENT. SHALL NOT BE LESS THAN 6".

STABILIZED CONSTRUCTION ENTRANCE (N.T.S.)



SCOUR HOLE

Table with 10 columns: Pipe size (d50, THK, Wb, Lb, W, L) and corresponding dimensions for HW#1, HW#2, and HW#3.

SCOUR HOLE SCALE: NONE

COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.



SUMP PIT

Table with 4 columns: TWP, REV, BY, DATE. Shows revision history for the drawing.

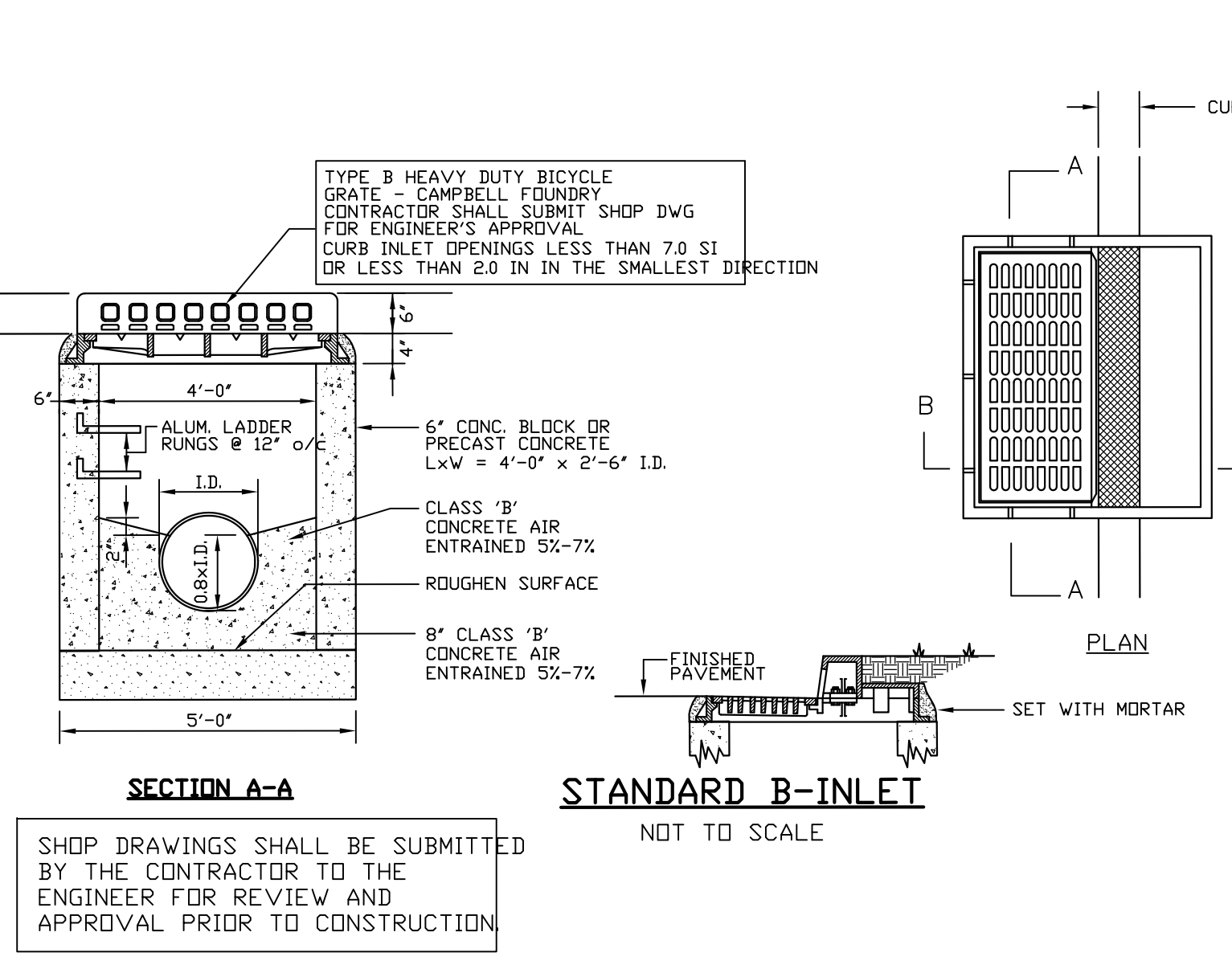
12/3/2020 DATE PROFESSIONAL ENGINEER & LAND SURVEYOR WAYNE J. INGRAM N.J. P.E. NO. 24GB04286200

PROJECT: CLINTON COMMONS MINOR SUBDIVISION AND SITE PLAN 65 1/2 CENTER STREET BLOCK 14 LOT 32 TOWN OF CLINTON HUNTERDON COUNTY NEW JERSEY

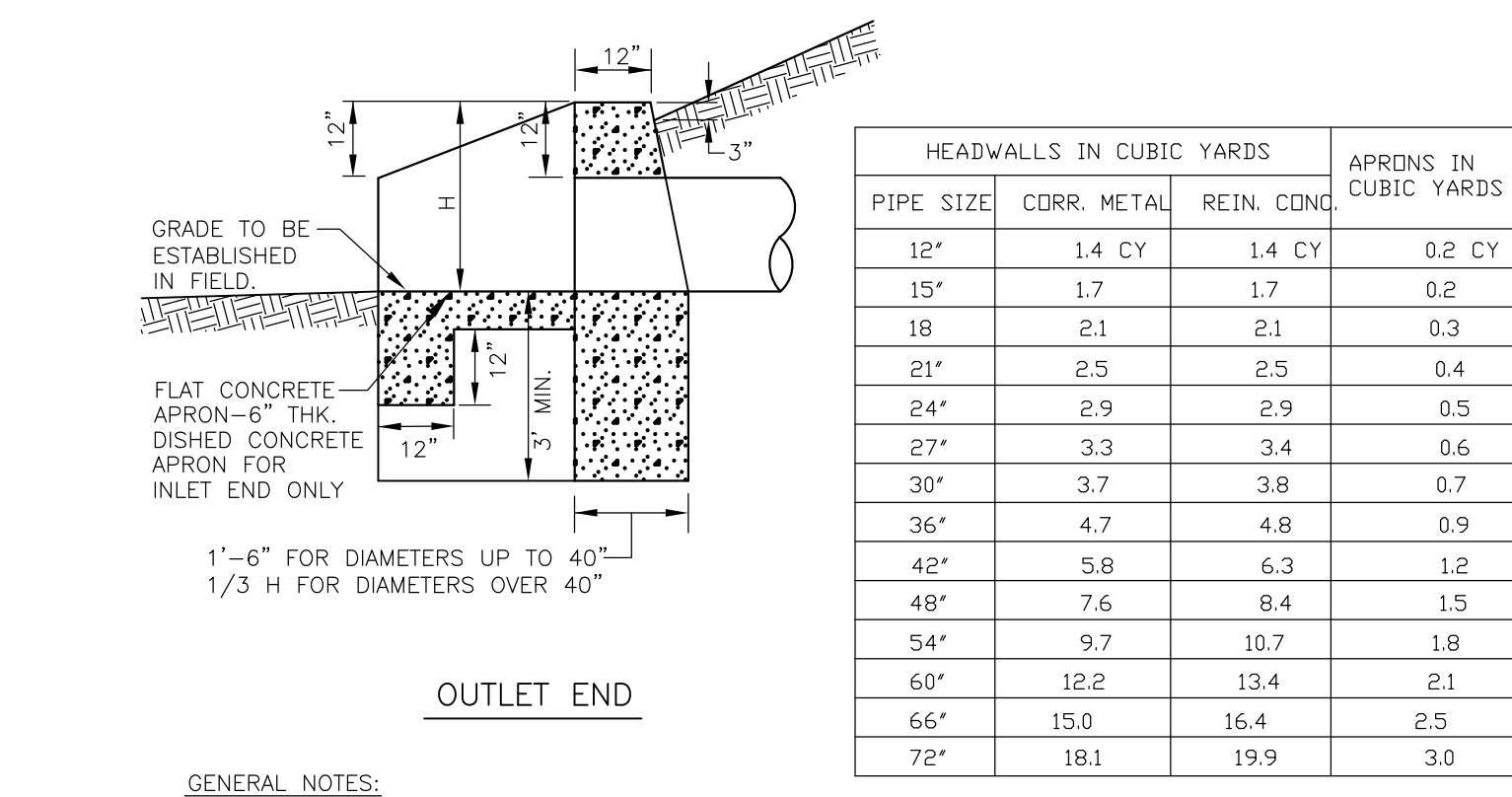
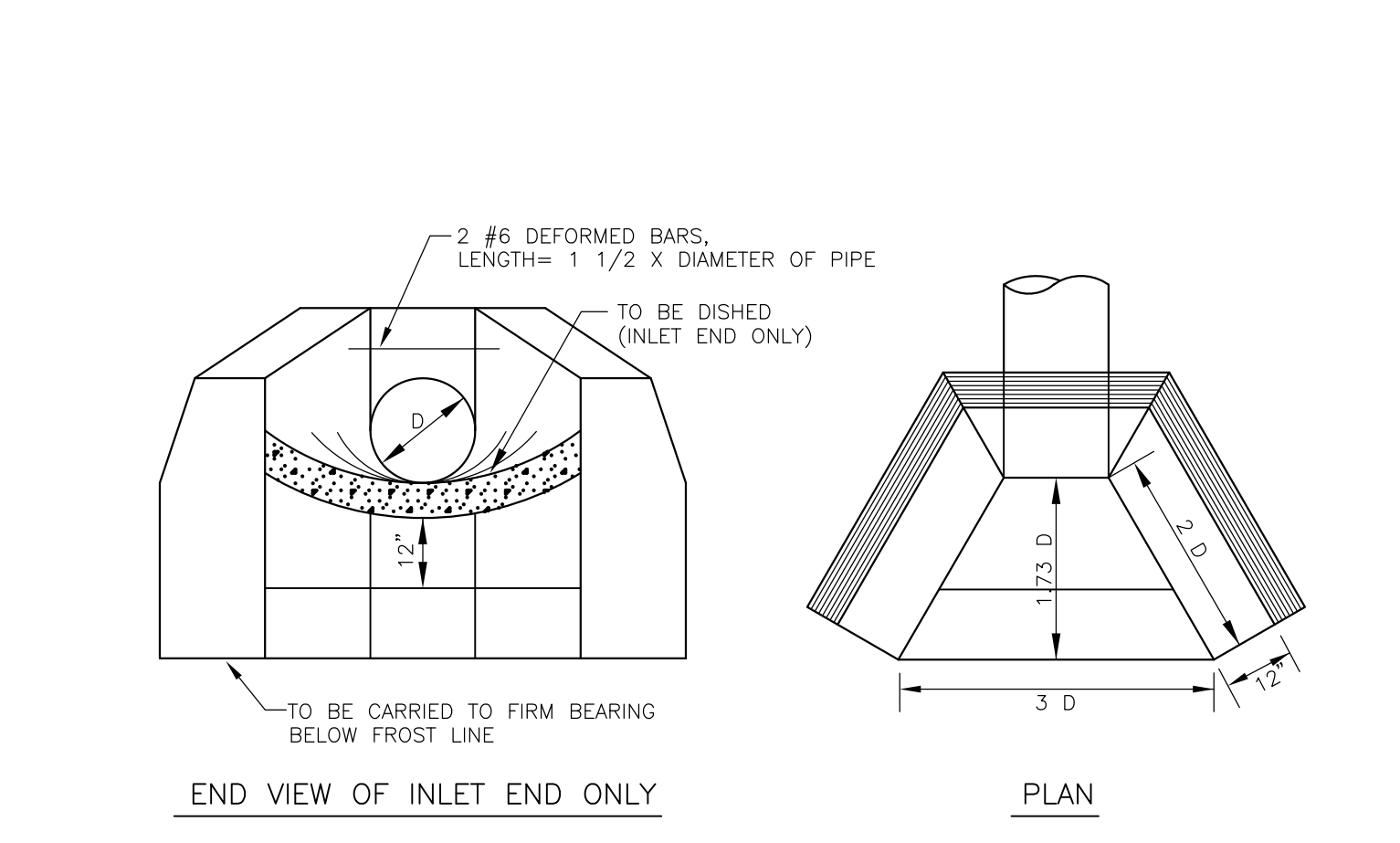
SOIL EROSION AND SEDIMENT CONTROL DETAILS

JOB NO: 8144/32606 DRAWING NO: 20 22
SCALE: NTS
DESIGNED: BH
CHECKED: CRN
FILENAME: 32606.DWG
DATE: 12/03/2020





**10 TYPE B INLET DETAIL**



**GENERAL NOTES:**  
 1. ALL EDGES TO BE CHAMFERED 1"  
 2. CONCRETE TO BE N.J.D.O.T. CLASS "C"  
 3. APRONS TO BE 6" THK. CONC., FLAT AT OUTLET END, DISHED AT INLET END  
 4. EXPOSED PORTIONS OF WALL TO BE RUBBED AND FLOATED.  
 5. FOR ARCH PIPE, THE SPAN SHALL BE SUBSTITUTED FOR D.

**CONCRETE HEADWALL**  
 N.T.S.

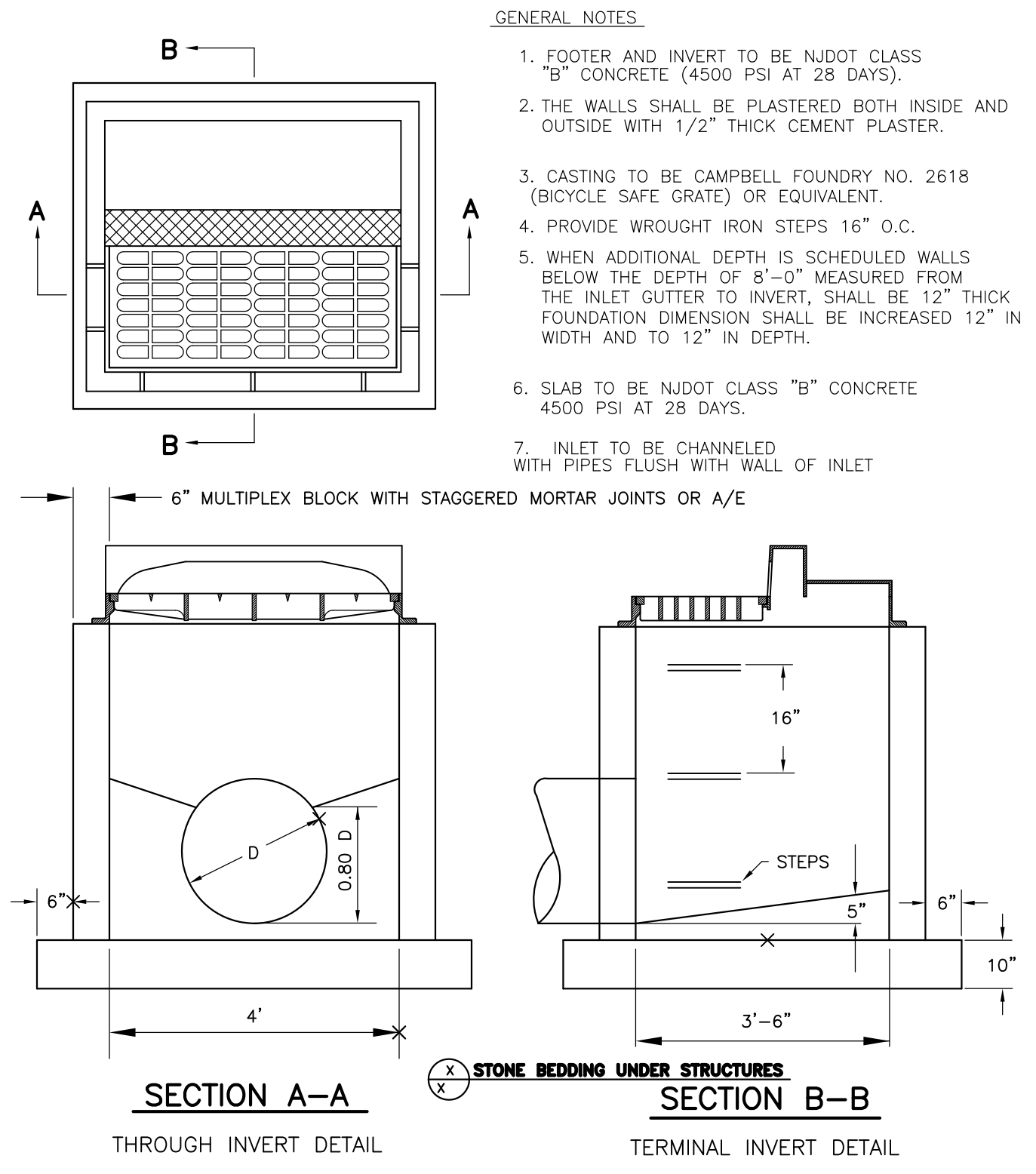
PIPE SIZE	CORR. METAL	REIN. CONC.	APRONS IN CUBIC YARDS
12"	1.4	1.4	0.2
15"	1.7	1.7	0.2
18"	2.1	2.1	0.3
21"	2.5	2.5	0.4
24"	2.9	2.9	0.5
27"	3.3	3.4	0.6
30"	3.7	3.8	0.7
36"	4.7	4.8	0.9
42"	5.8	6.3	1.2
48"	7.6	8.4	1.5
54"	9.7	10.7	1.8
60"	12.2	13.4	2.1
66"	15.0	16.4	2.5
72"	18.1	19.9	3.0

DIAMETER OF PIPE (d)	22	1/2" ELBOW	45° ELBOW	90° ELBOW	TEE	PLUG
6"	1.1	2.1	4.0	2.8		
8"	1.9	3.7	6.8	4.8		
10"	2.8	5.6	10.3	7.3		
12"	4.0	7.9	14.5	10.3		
16"	7.0	13.6	25.2	17.8		
20"	10.7	21.0	38.9	27.5		
24"	15.3	30.0	55.5	39.2		

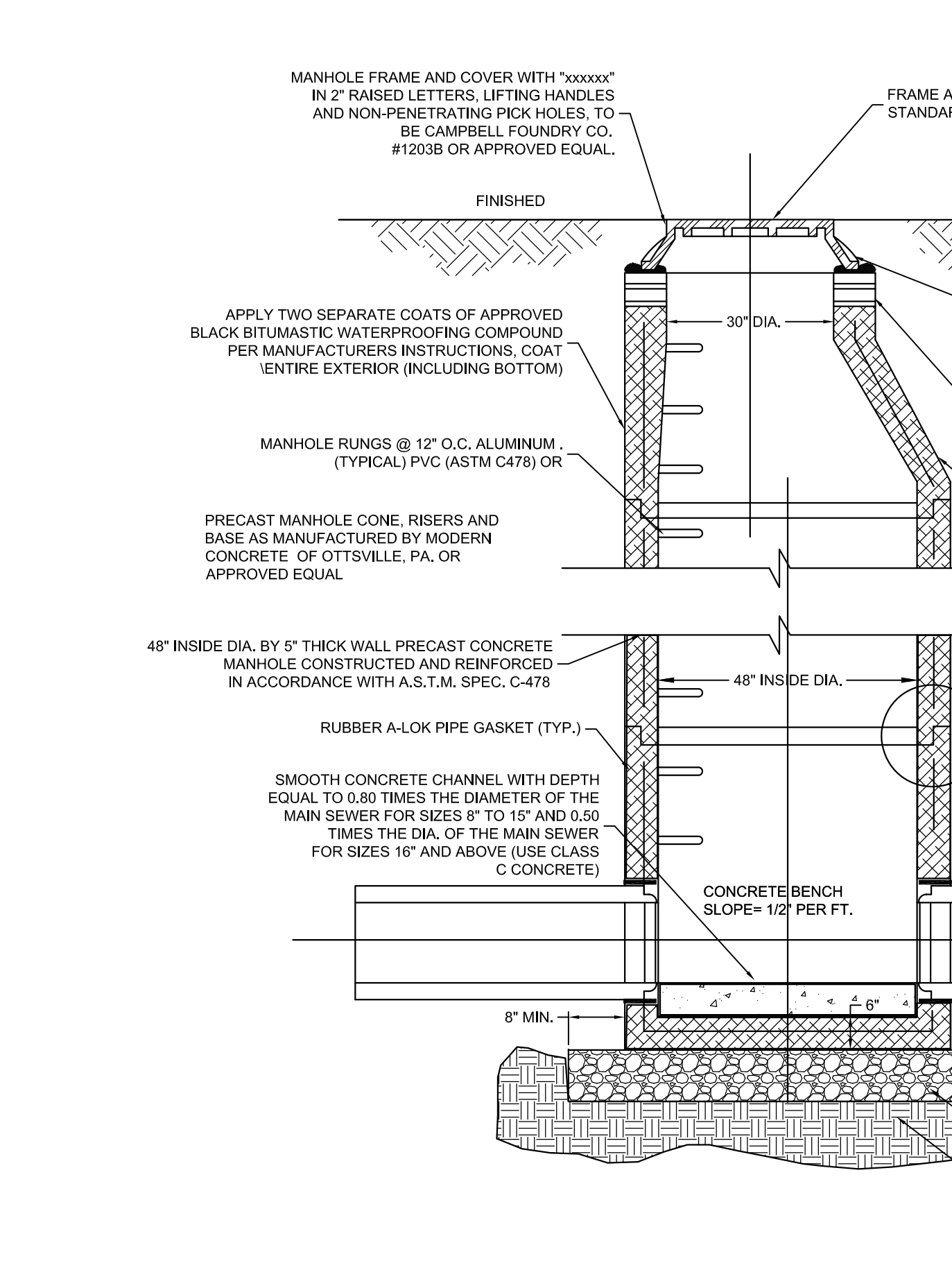
\*A\* - CONTACT BEARING AREA OF BLOCK WITH EARTH, IN SQUARE FEET

**TABLE OF THRUST BLOCKS**

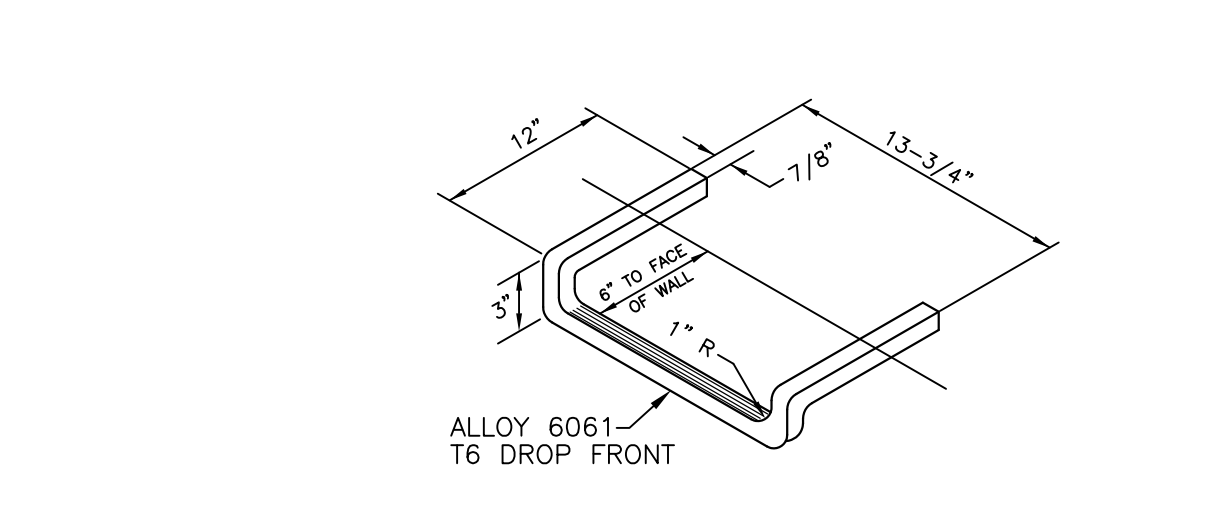
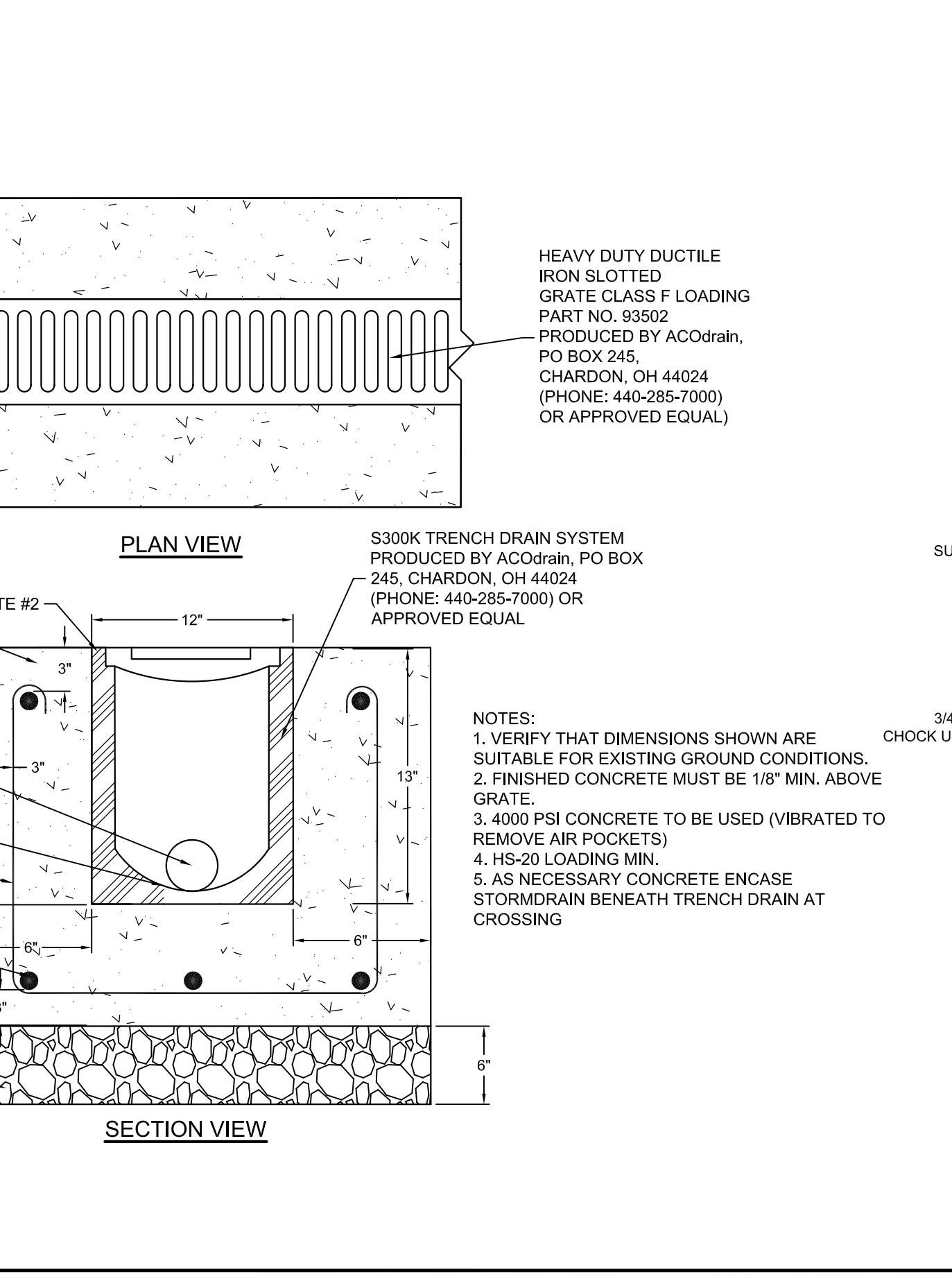
1. BEARING AREAS ARE BASED ON UNDISTURBED SOIL WITH A BEARING CAPACITY OF 2000 LBS. PER SQ. FT. FOR A LESSER SOIL BEARING CAPACITY, THESE AREAS SHALL BE INCREASED ACCORDINGLY.  
 2. ALL CONCRETE THRUST BLOCKS SHALL BE CLASS "C".  
 3. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH.  
 4. THE COST OF THRUST BLOCKS SHALL BE INCLUDED IN THE PRICE BID FOR WATER MAINS.



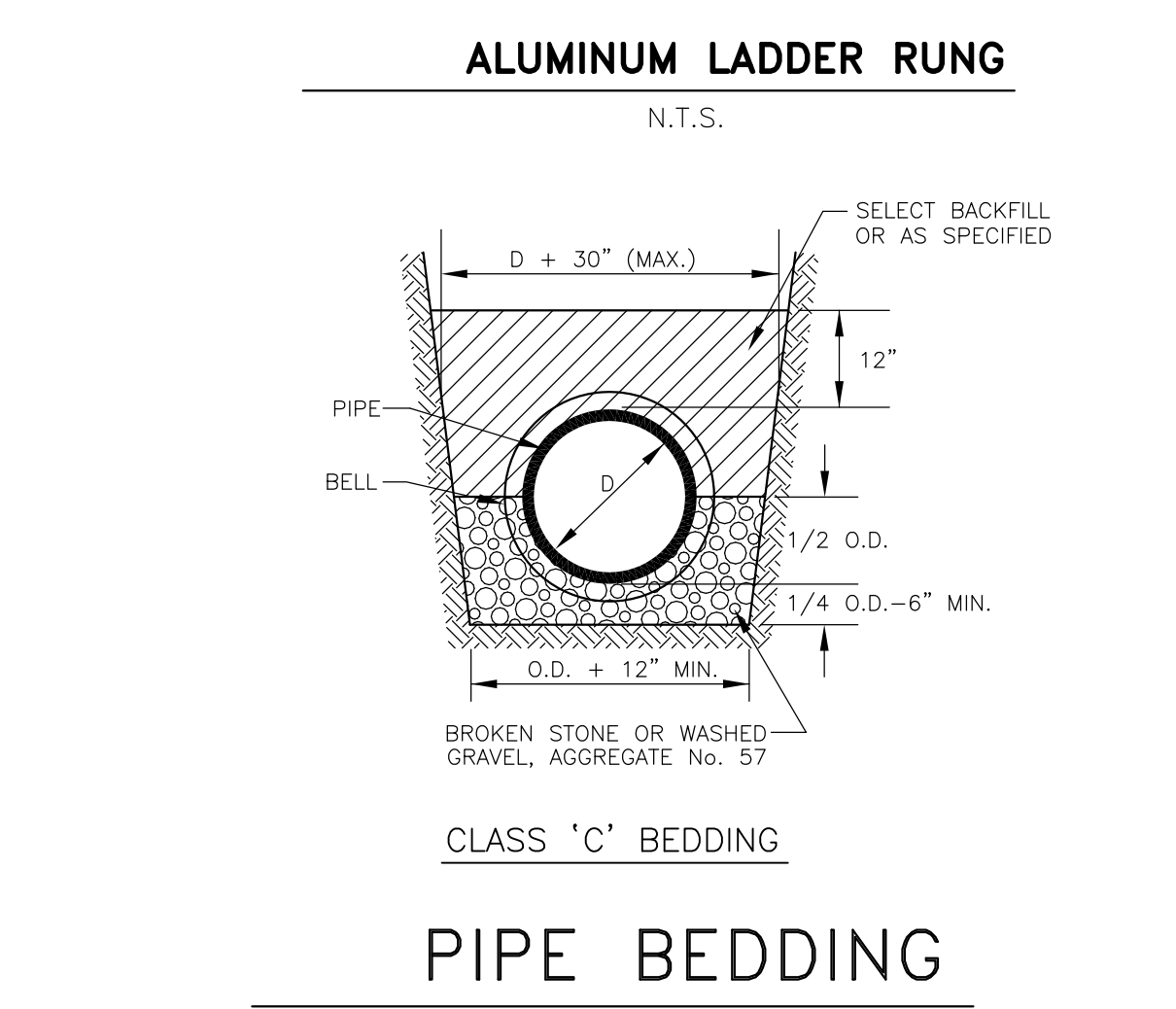
**INLET TYPE B**  
 N.T.S.



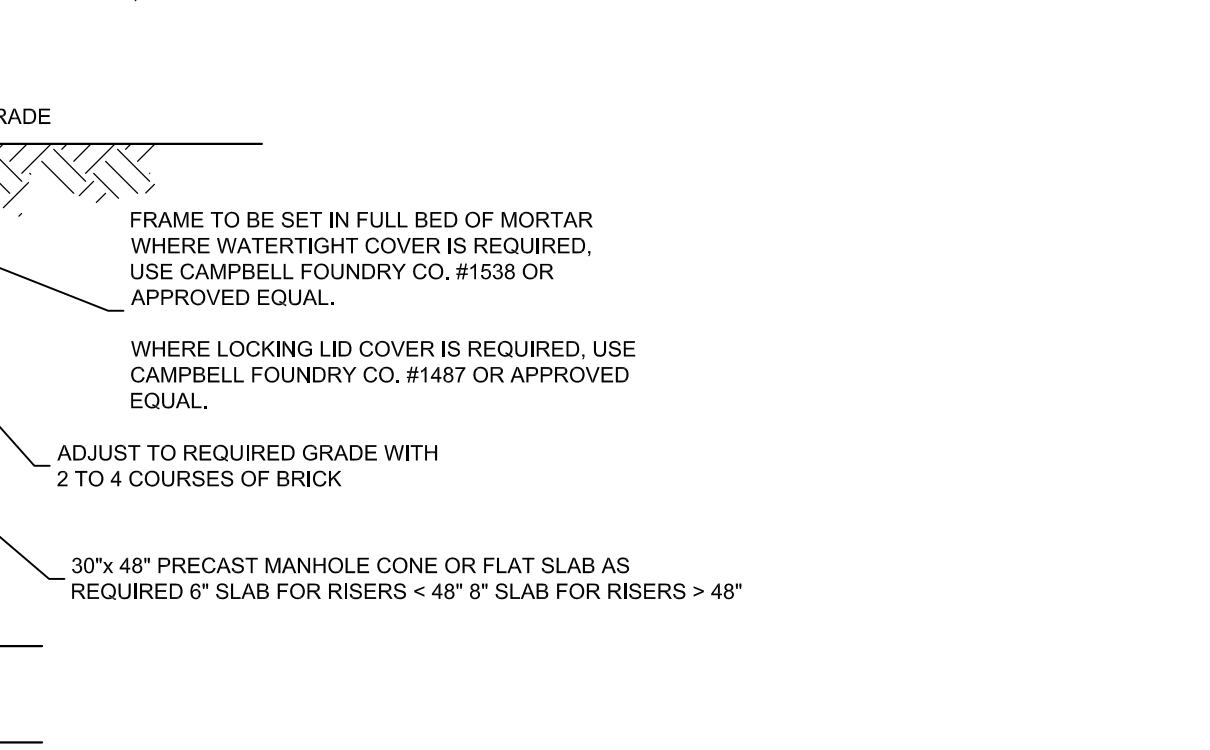
**# PRECAST CONCRETE MANHOLE**  
 N.T.S.



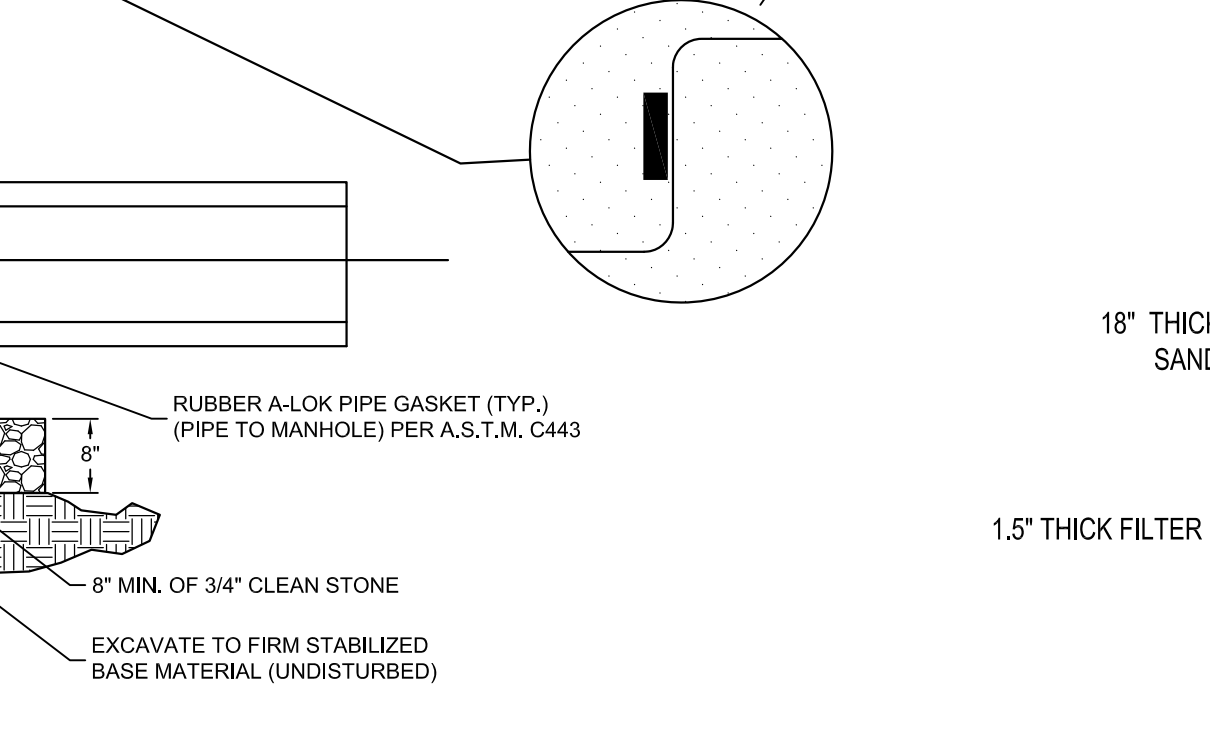
**CLASS 'C' BEDDING**  
**PIPE BEDDING**



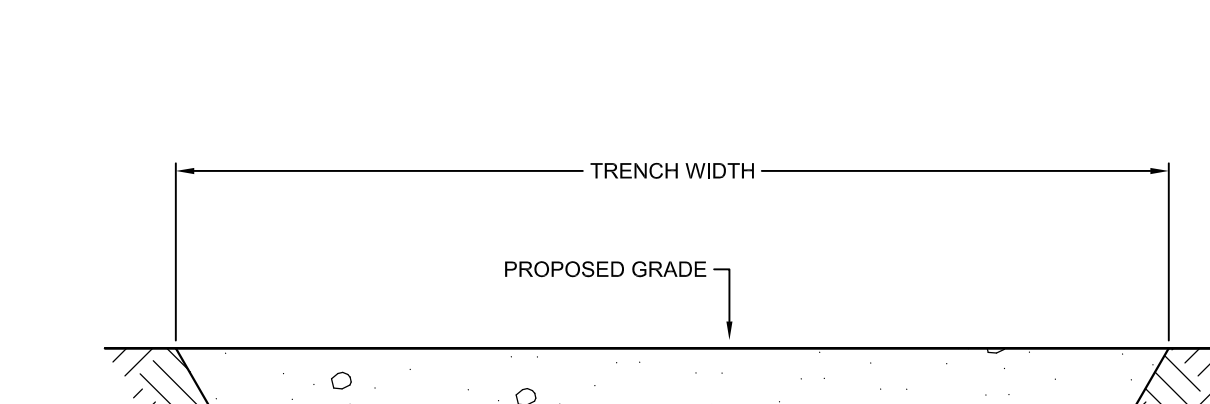
**WATER SERVICE CONNECTION**  
 N.T.S.



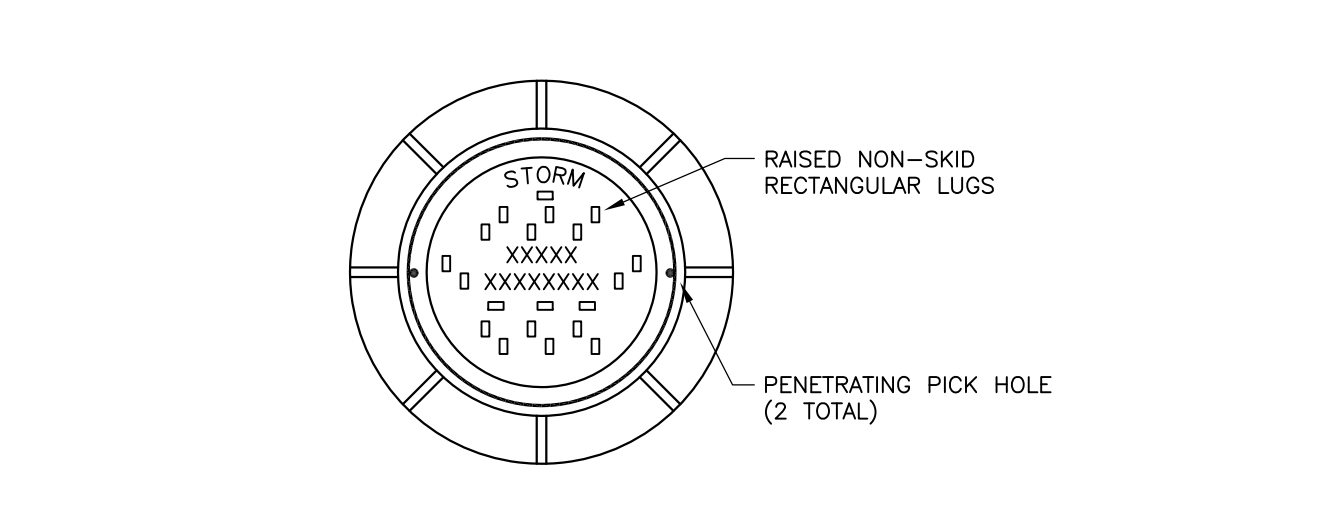
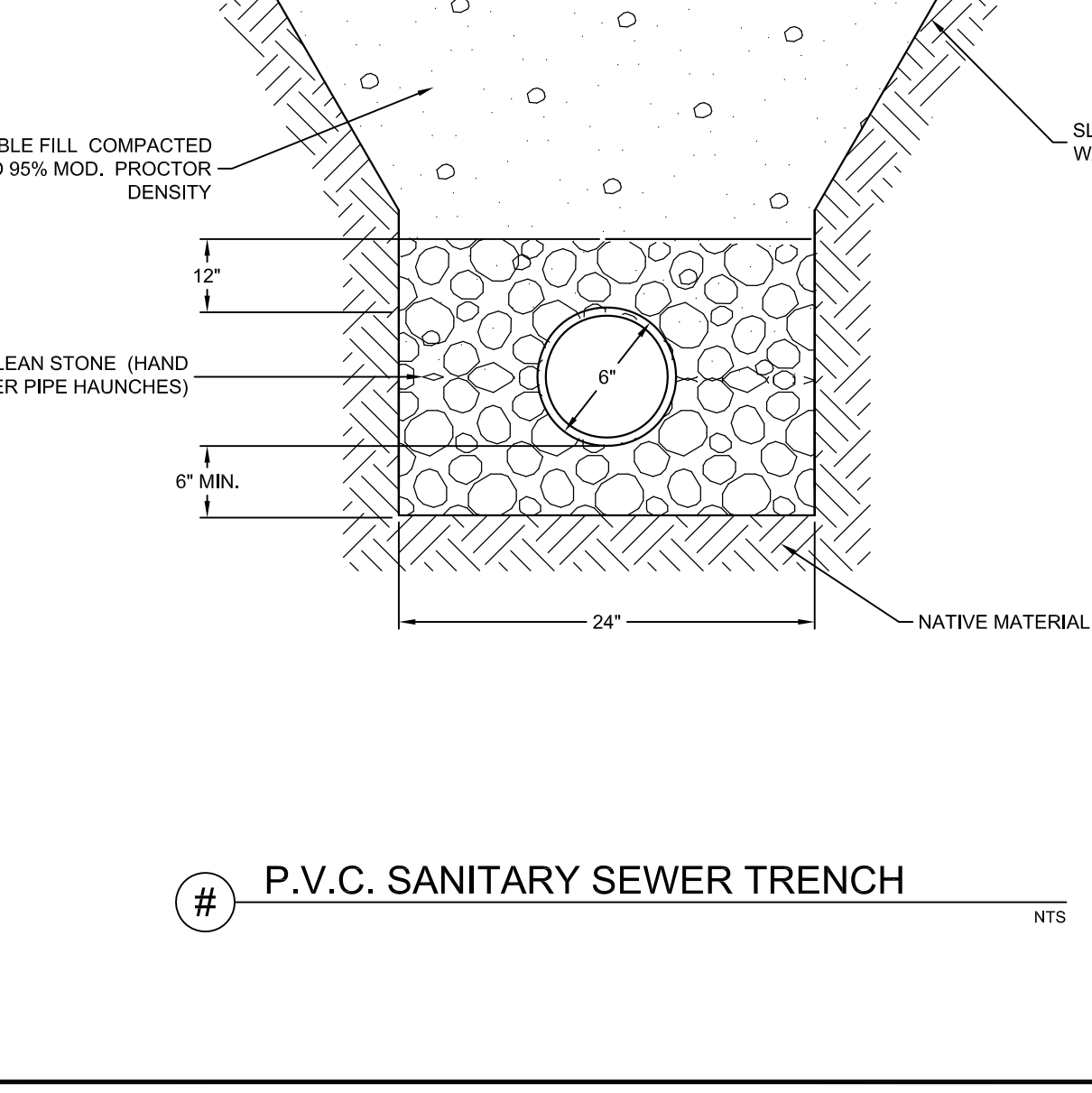
**A TYPICAL SURFACE SAND FILTER SECTION**



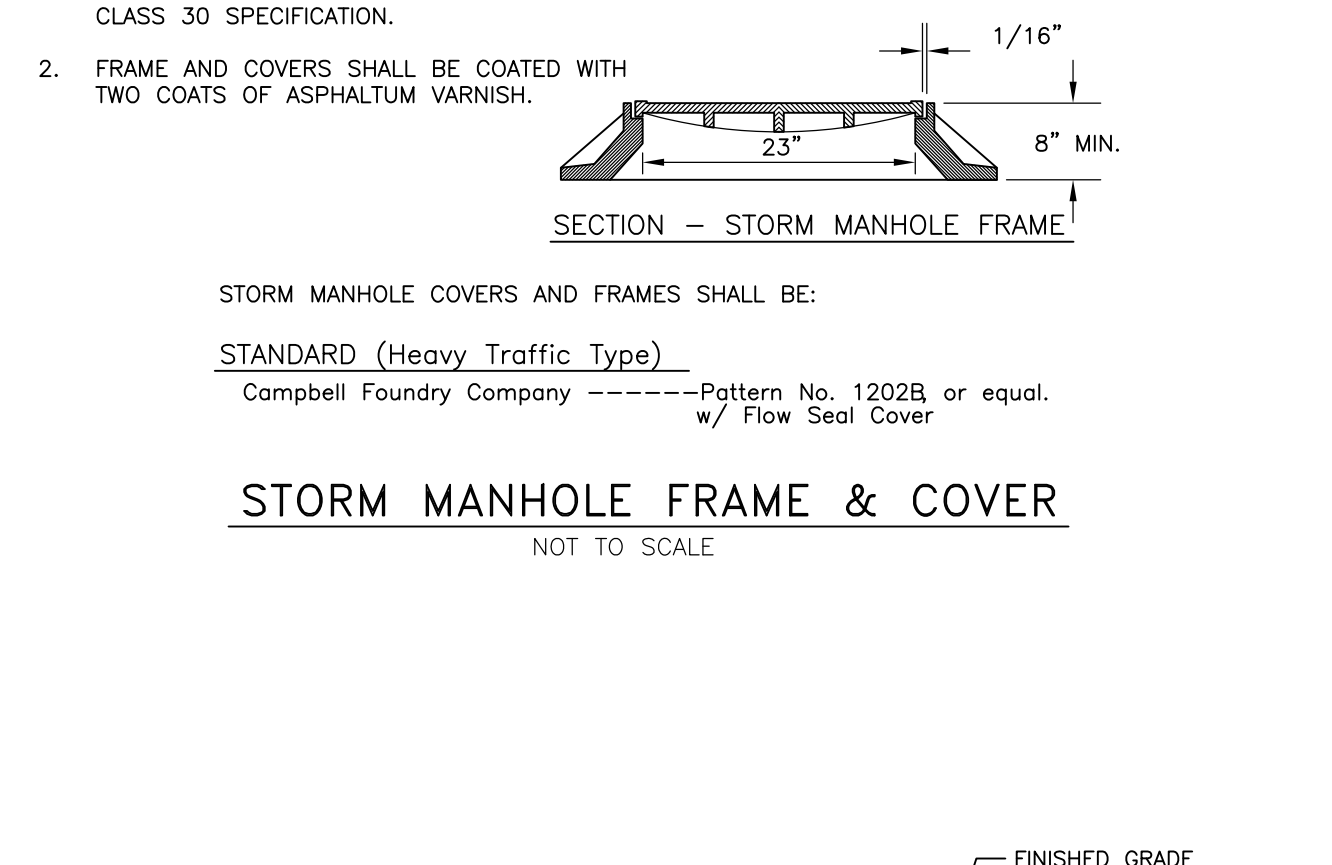
**# STANDARD CLEANOUT DETAIL**  
 N.T.S.



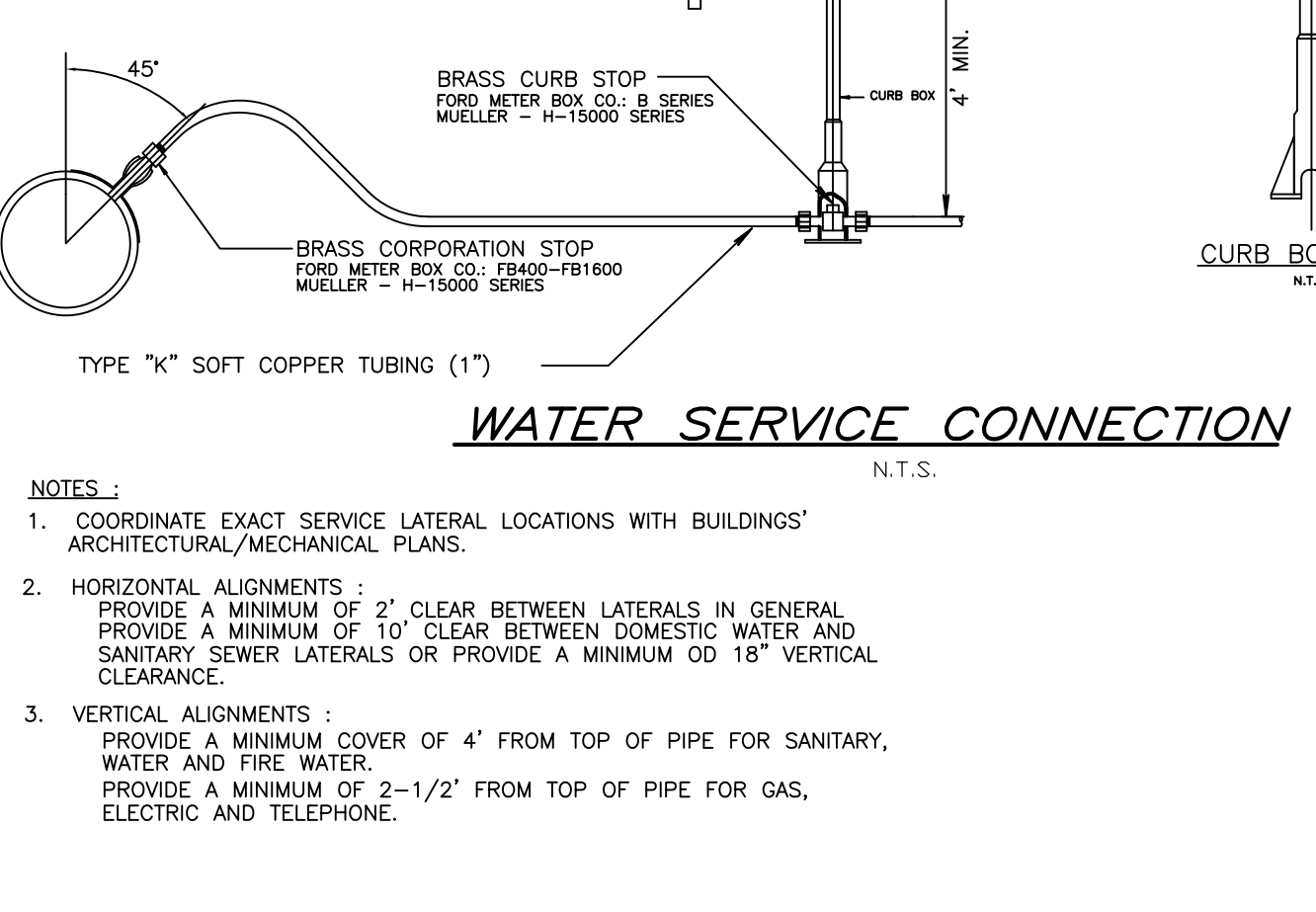
**# CONCRETE ENCASEMENT DETAIL**  
 N.T.S.



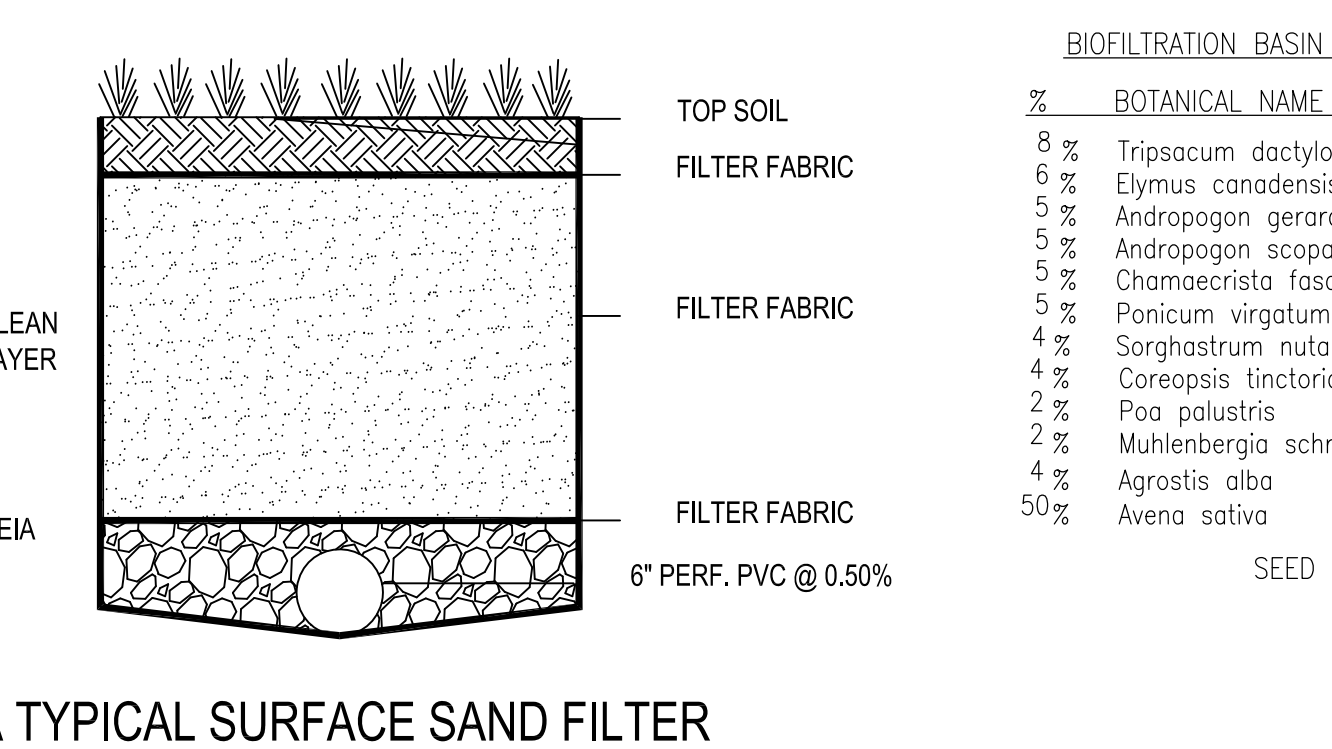
**STORM MANHOLE FRAME & COVER**  
 NOT TO SCALE



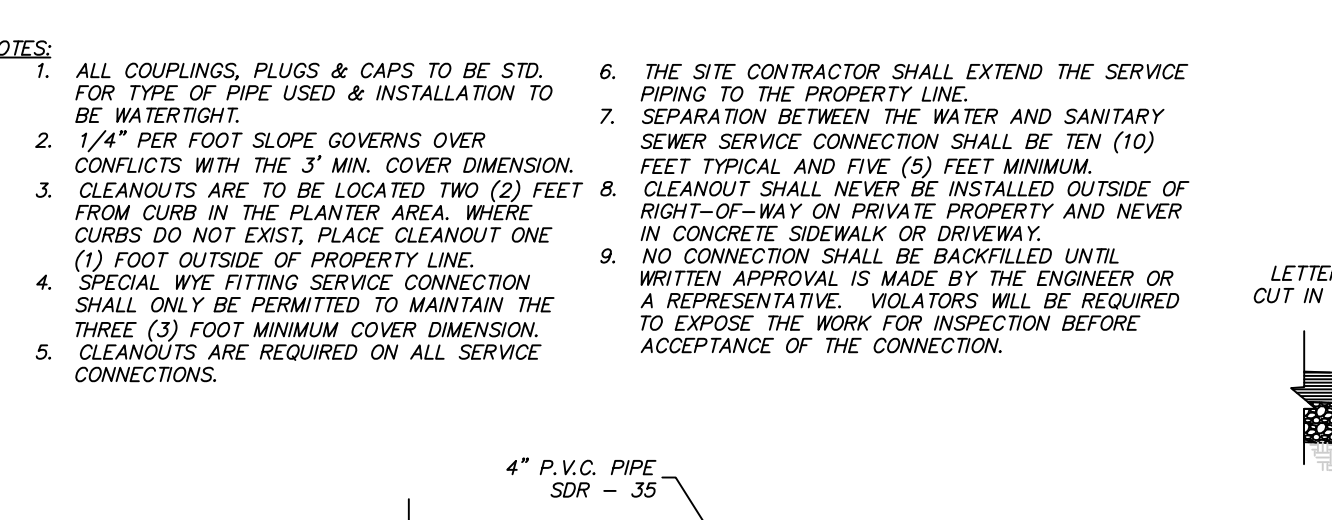
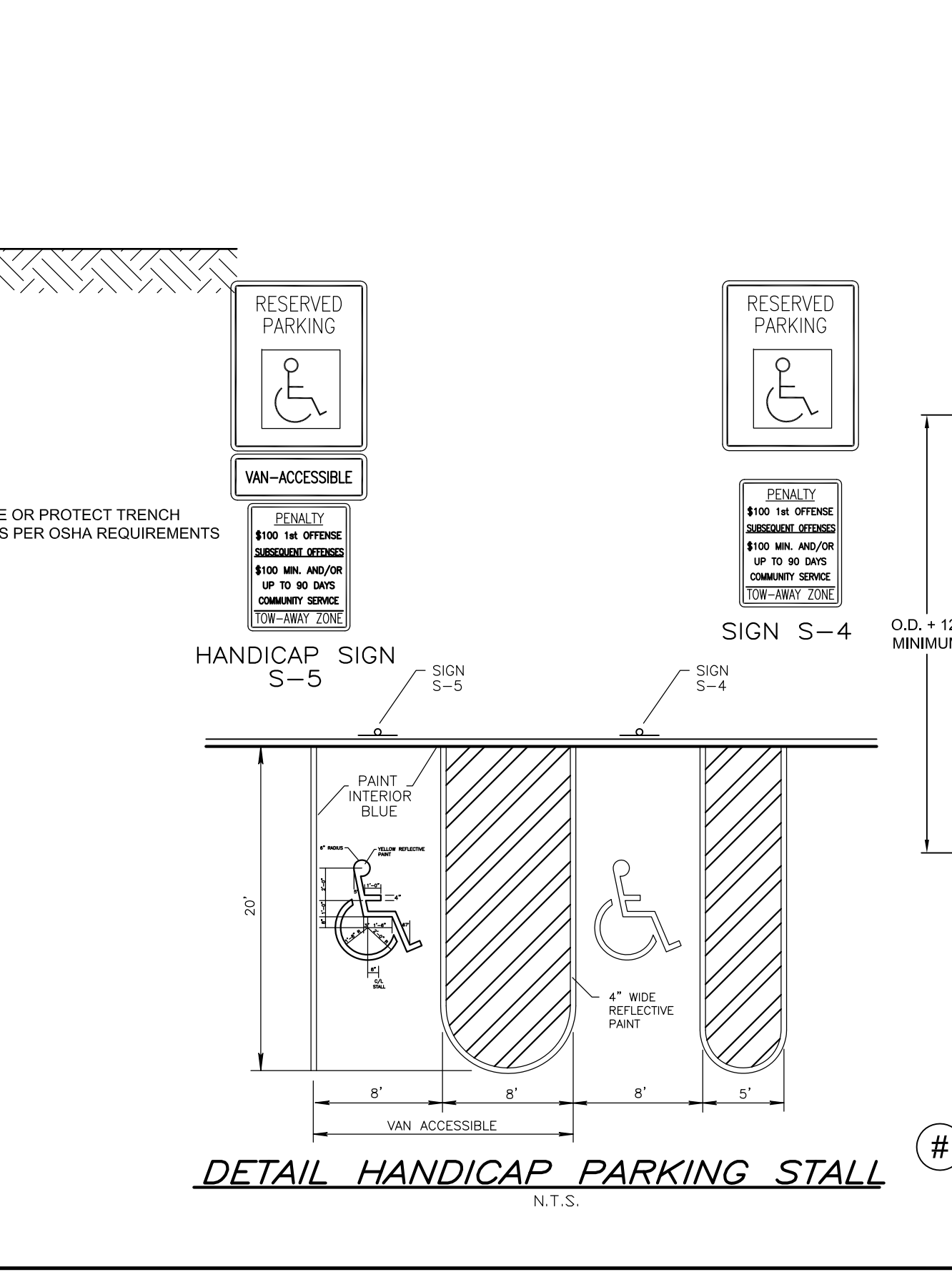
**DETAIL HANDICAP PARKING STALL**  
 N.T.S.



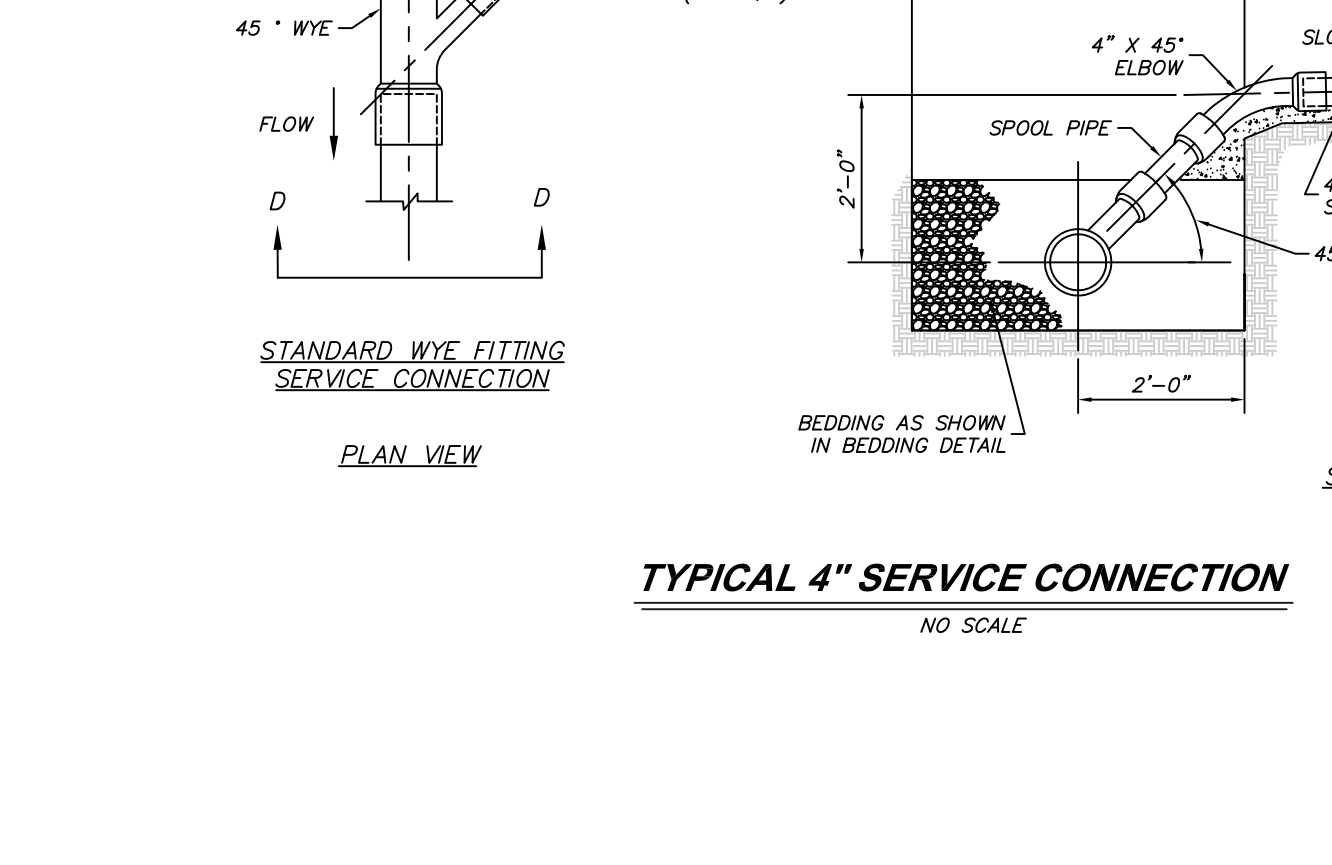
**# P.V.C. SANITARY SEWER TRENCH**  
 N.T.S.



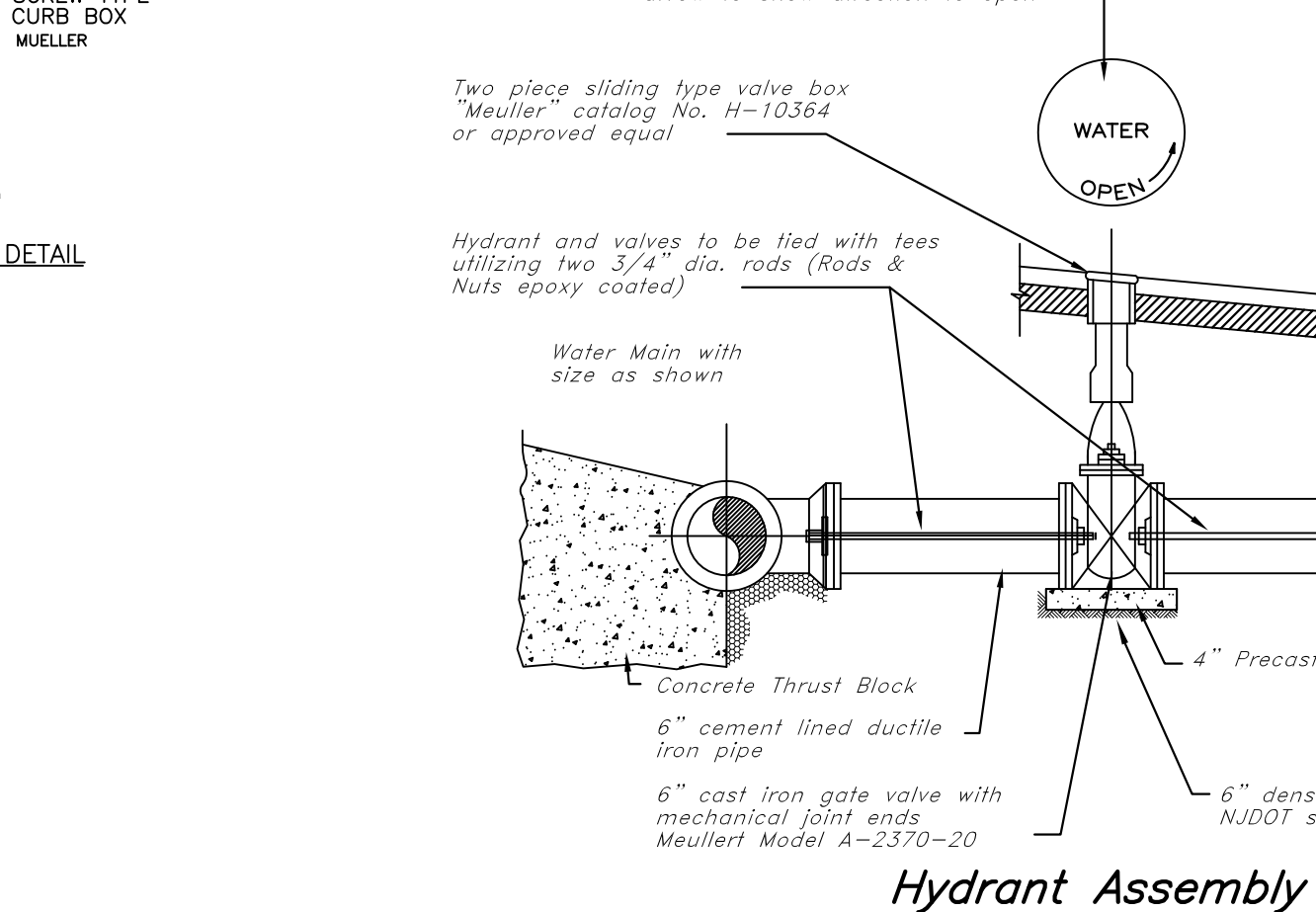
**# CONCRETE ENCASEMENT DETAIL**  
 N.T.S.



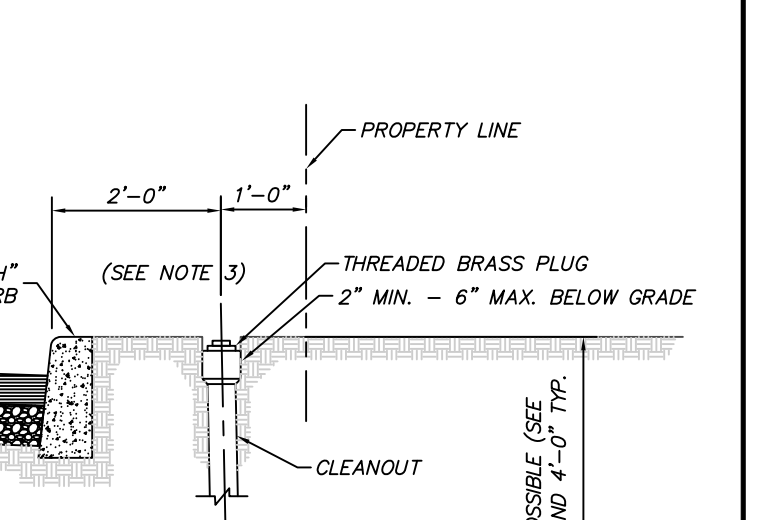
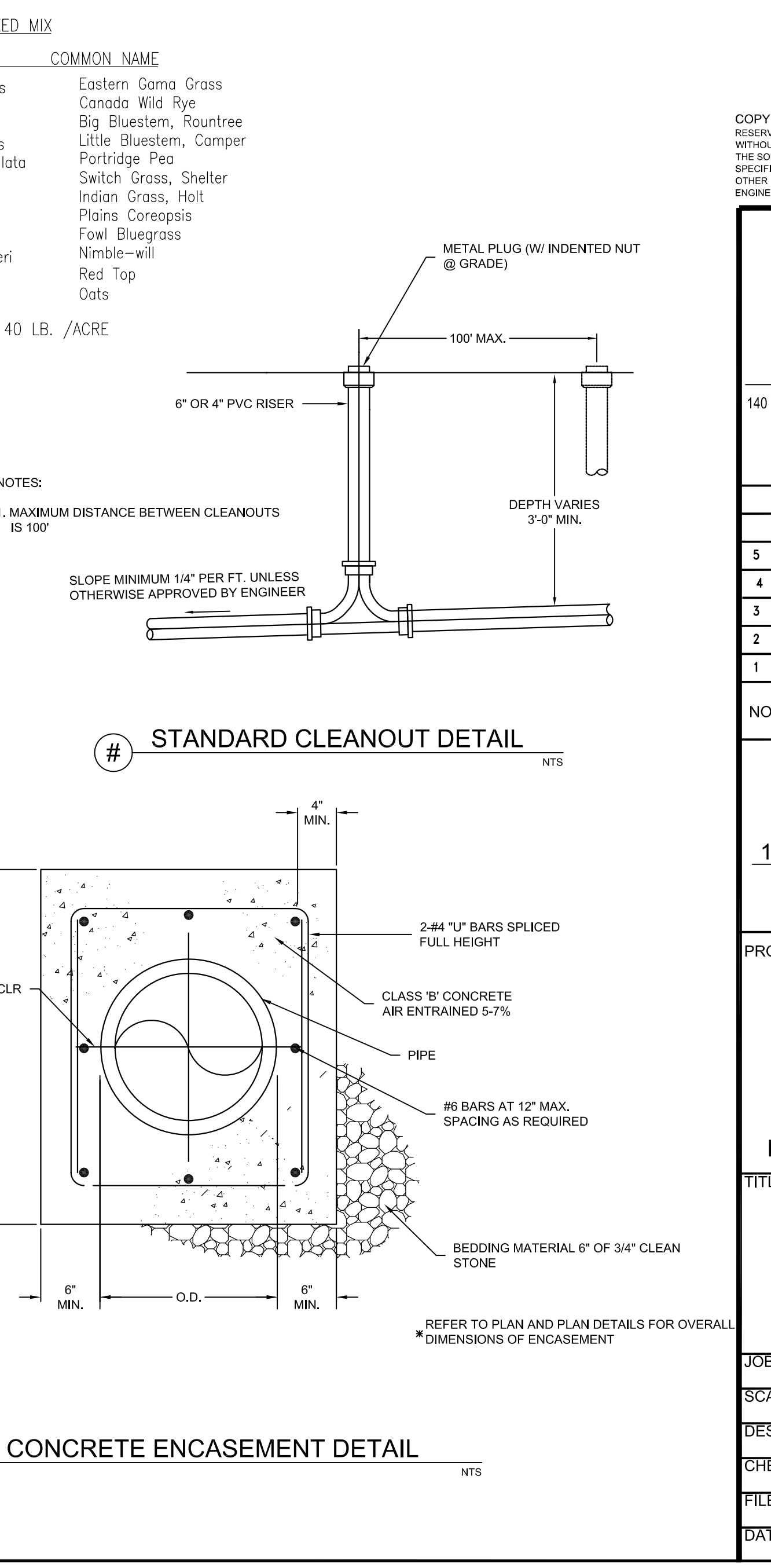
**DETAIL HANDICAP PARKING STALL**  
 N.T.S.



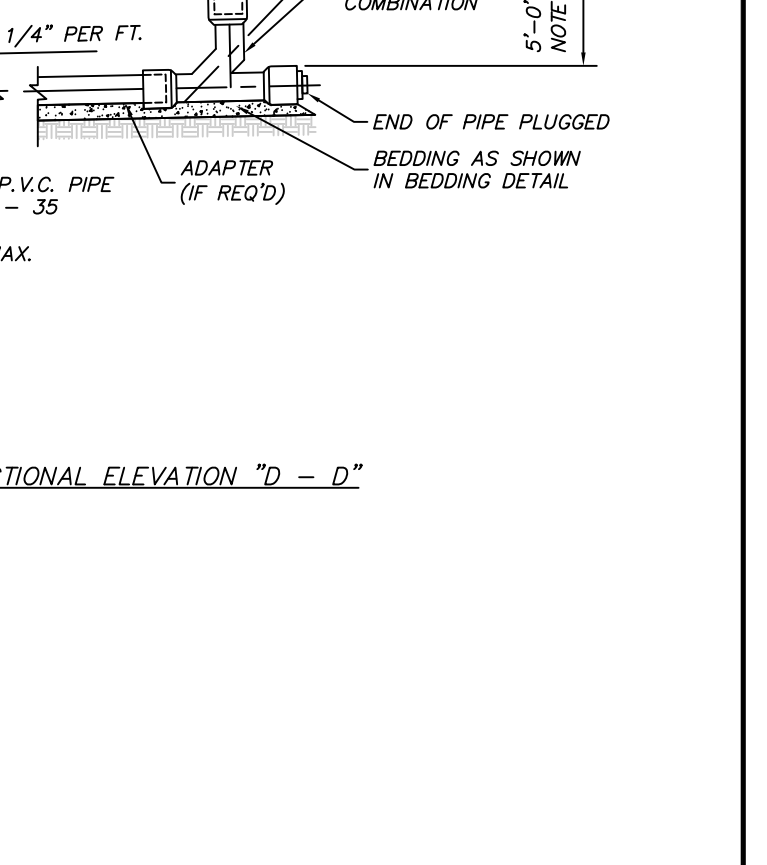
**# P.V.C. SANITARY SEWER TRENCH**  
 N.T.S.



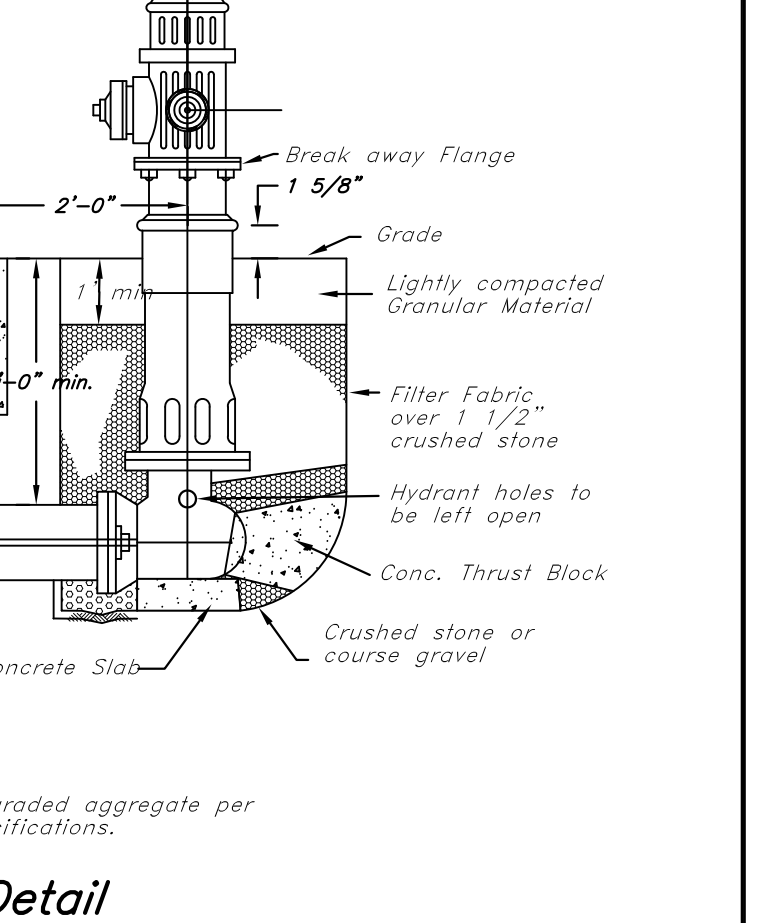
**# CONCRETE ENCASEMENT DETAIL**  
 N.T.S.



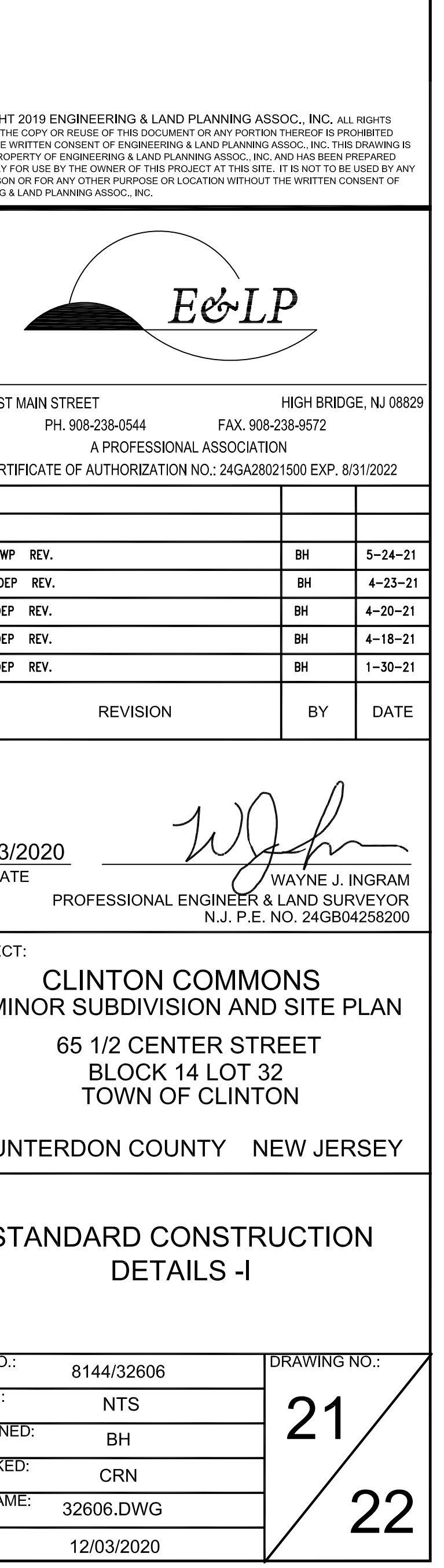
**DETAIL HANDICAP PARKING STALL**  
 N.T.S.



**# P.V.C. SANITARY SEWER TRENCH**  
 N.T.S.



**# CONCRETE ENCASEMENT DETAIL**  
 N.T.S.



**ENGINEERING & LAND PLANNING ASSOC., INC.**  
 140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
 PH: 908-238-0544 FAX: 908-238-0572  
 A PROFESSIONAL ASSOCIATION  
 CERTIFICATE OF AUTHORIZATION NO.: 24GA28021900 EXP: 8/31/2022

NO.	REVISION	BY	DATE
3	TWP. REV.	BH	5-24-21
4	DEP. REV.	BH	4-23-21
3	DEP. REV.	BH	4-20-21
2	DEP. REV.	BH	4-18-21
1	DEP. REV.	BH	1-30-21

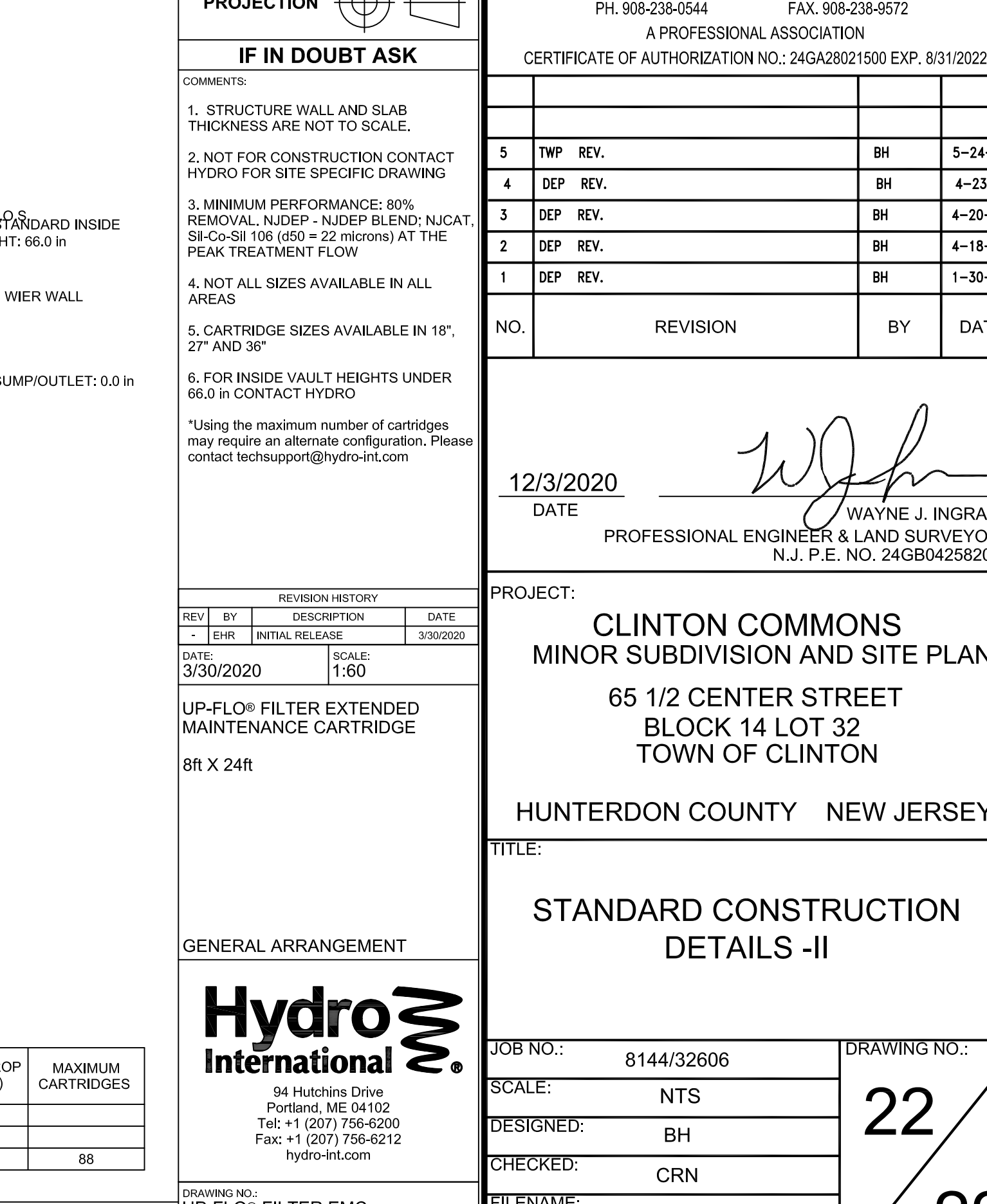
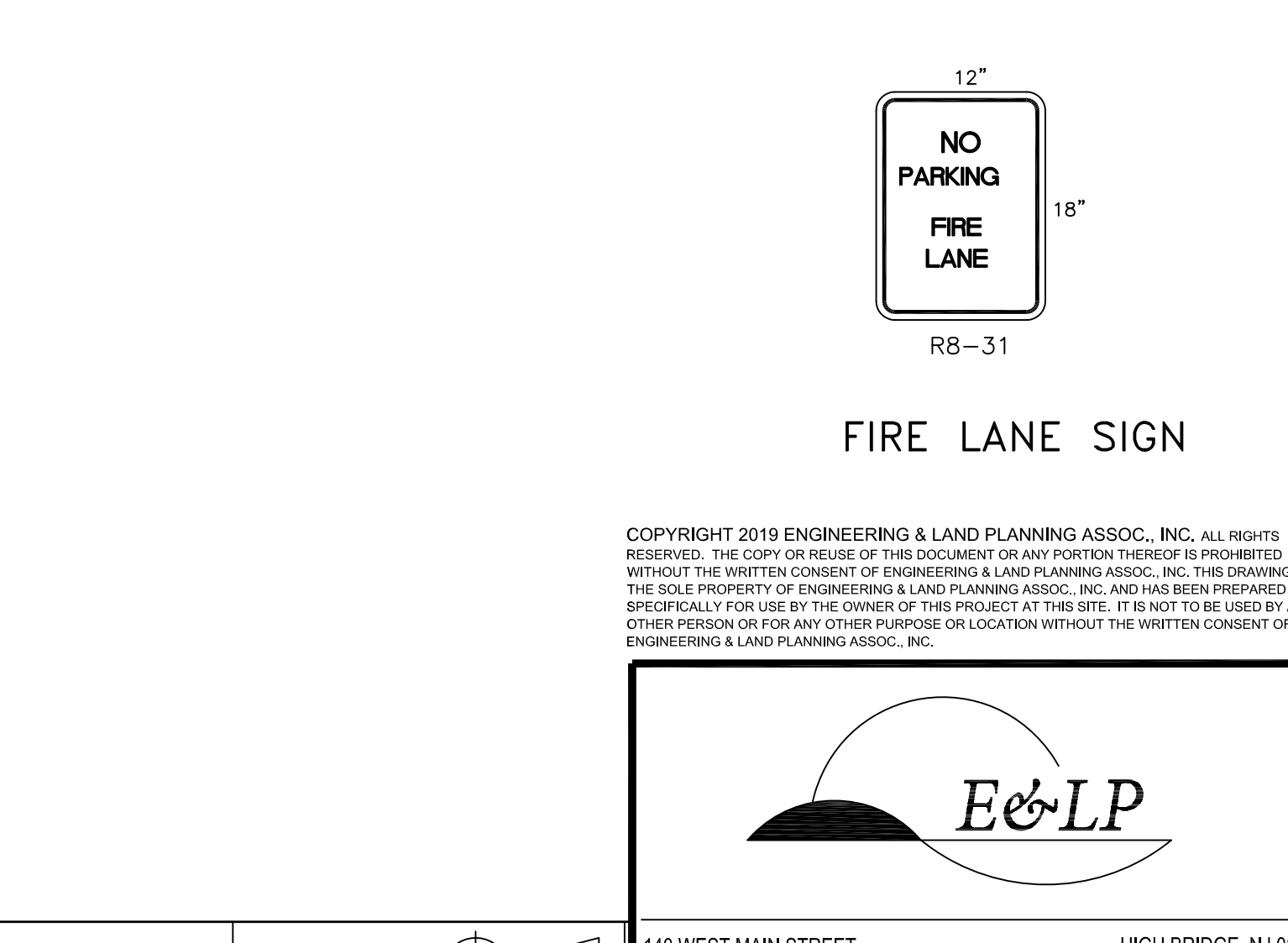
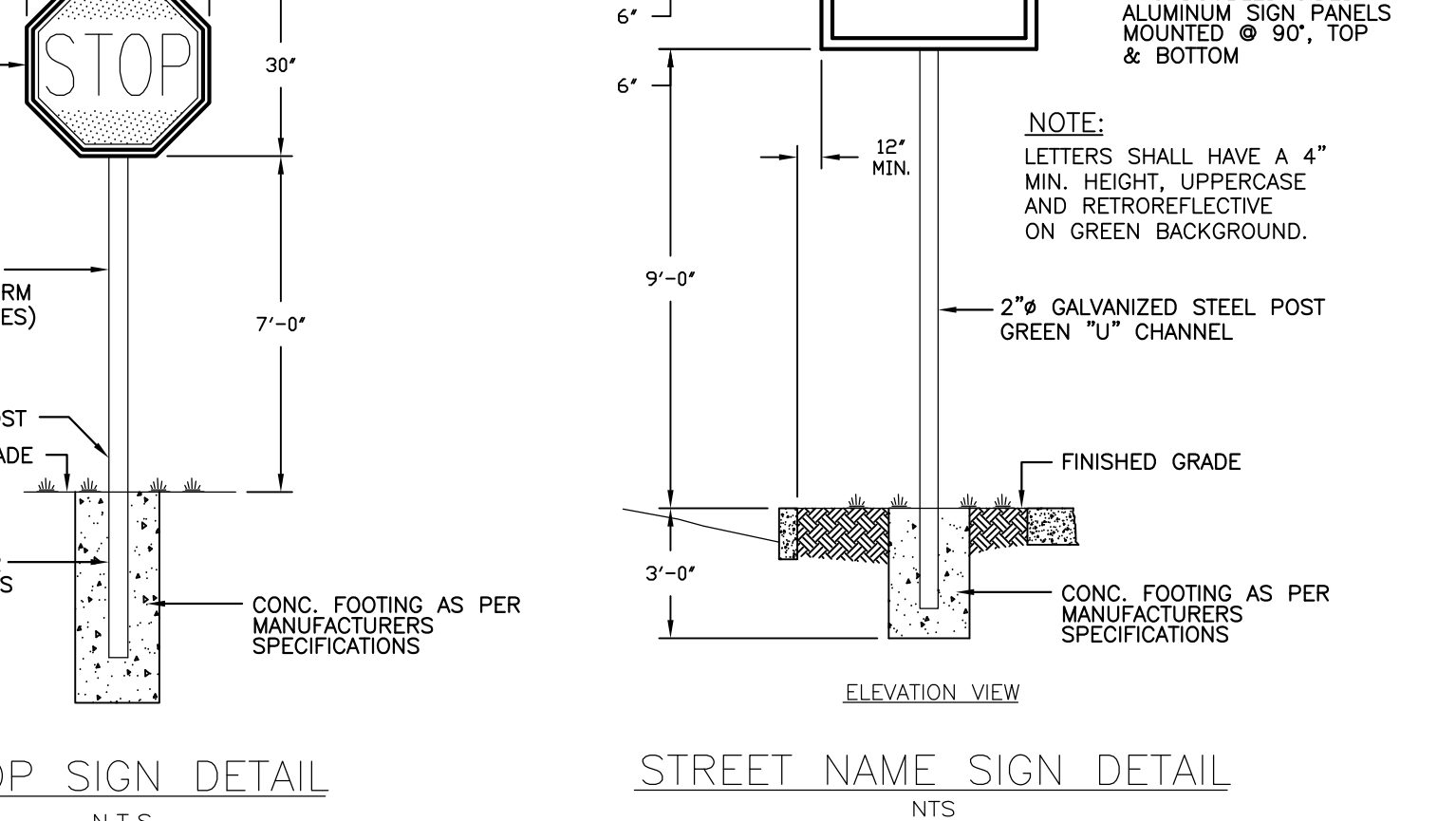
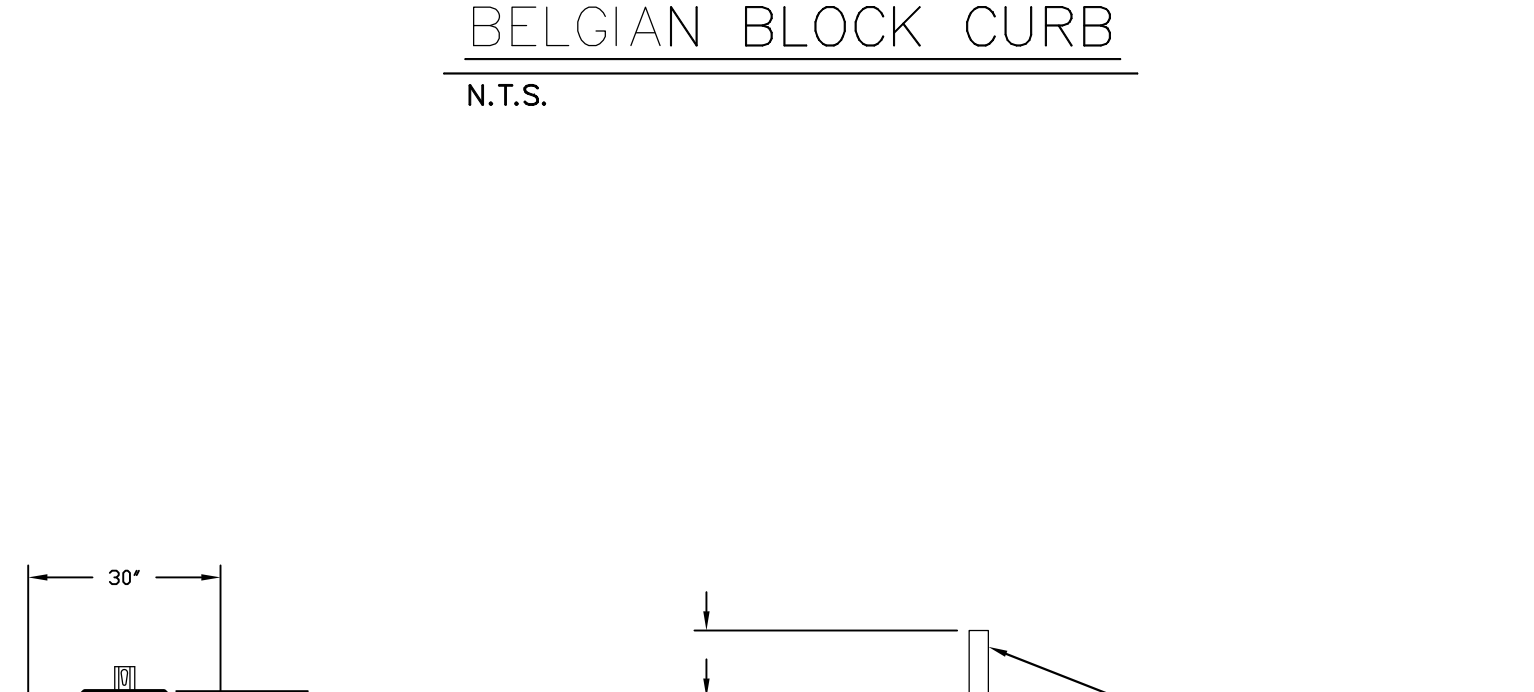
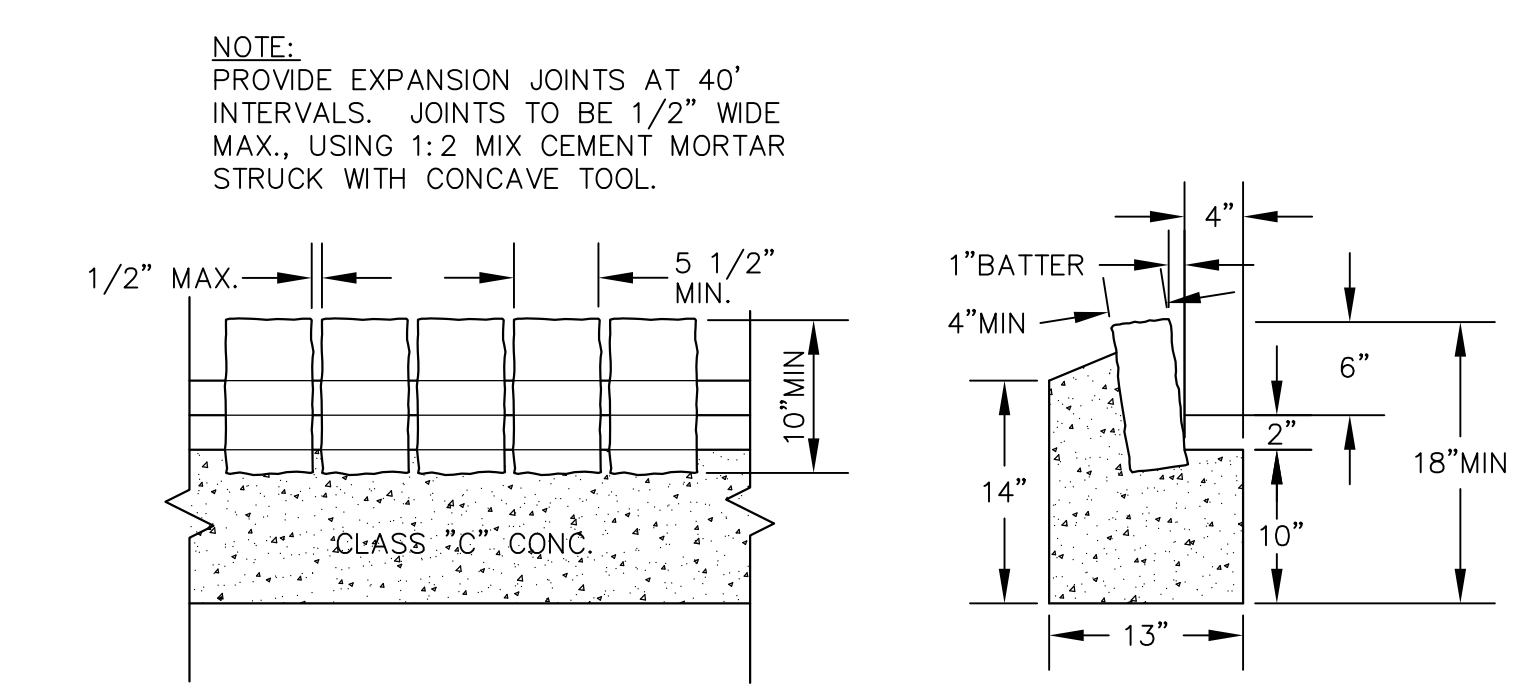
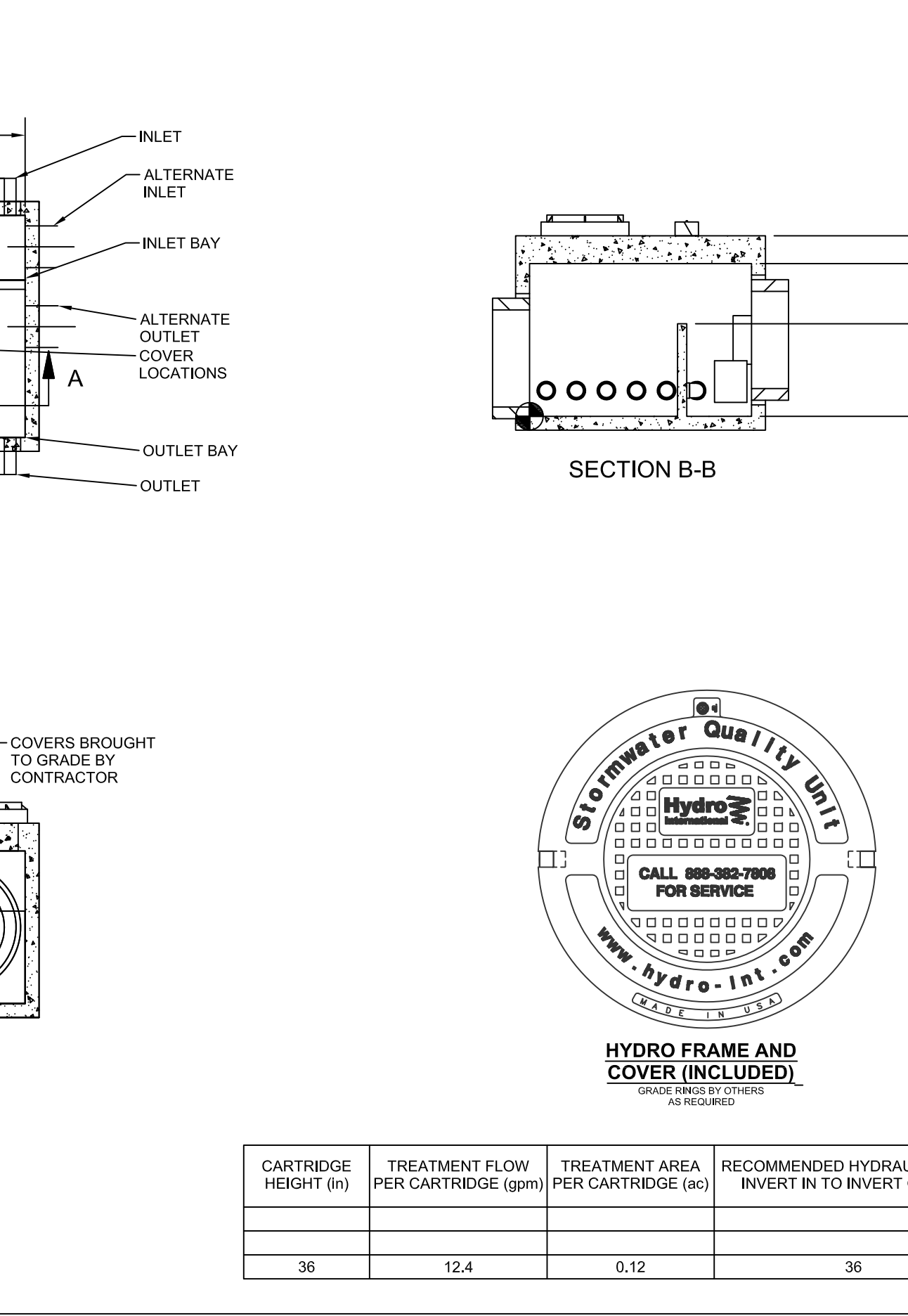
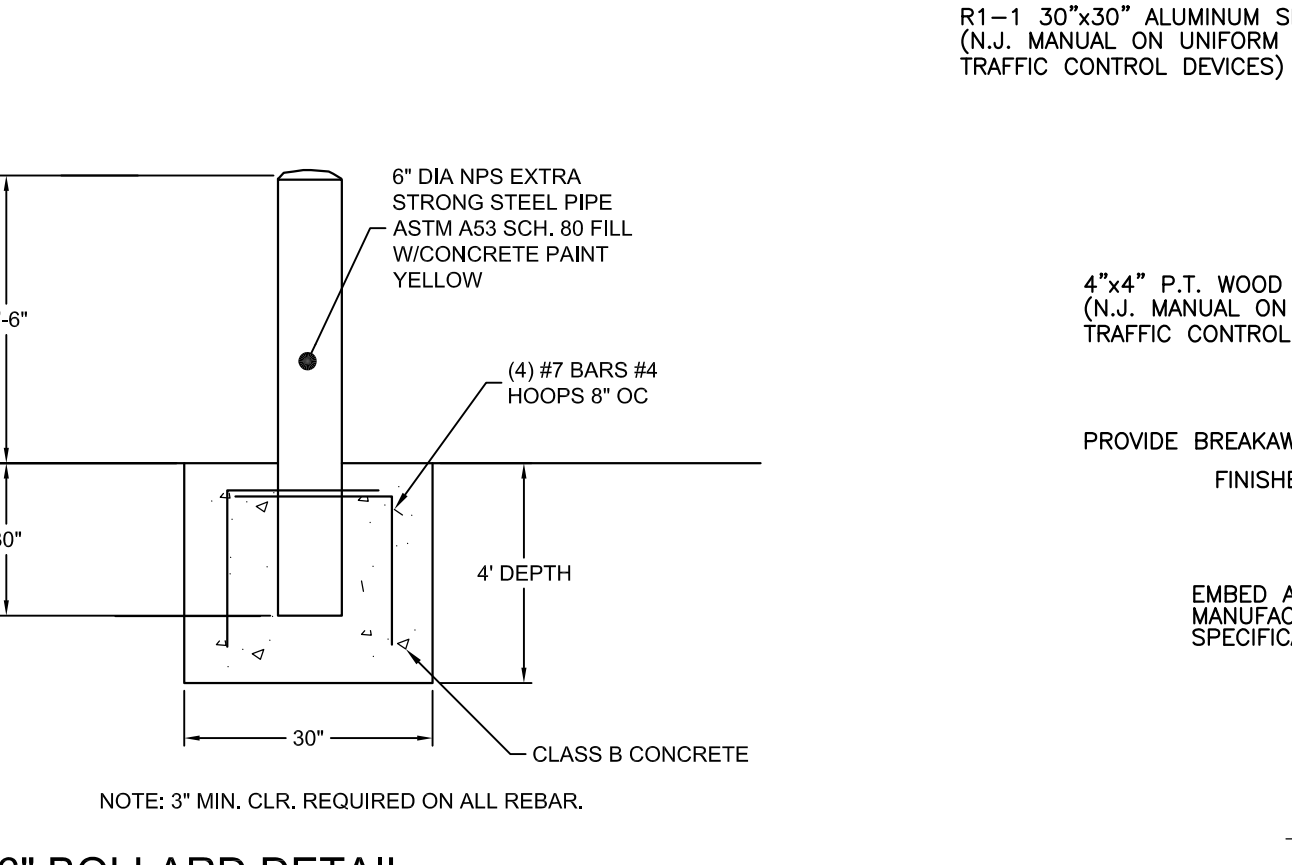
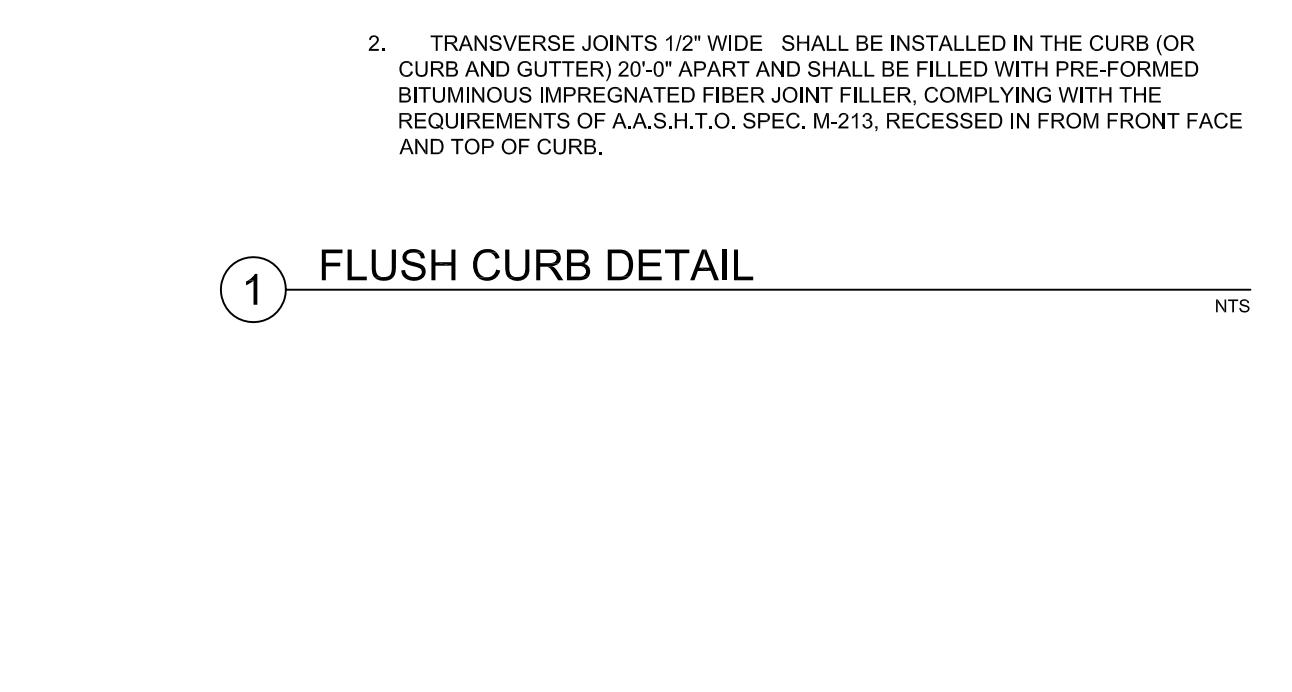
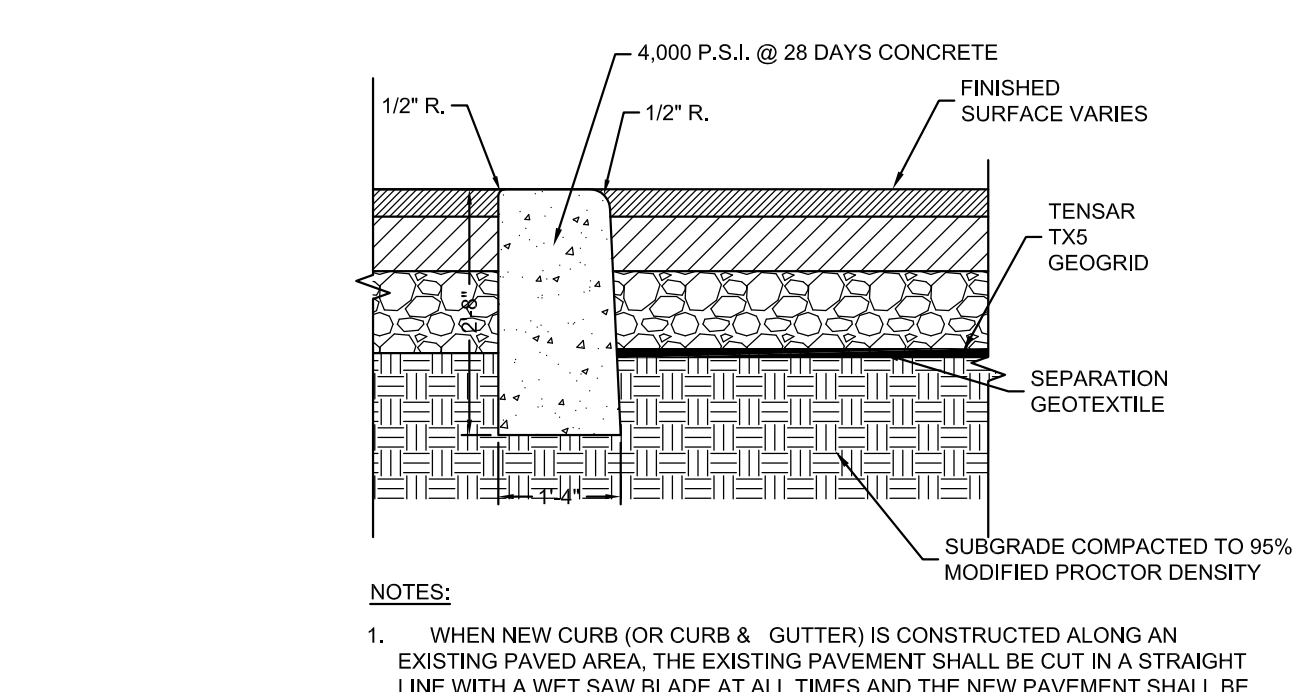
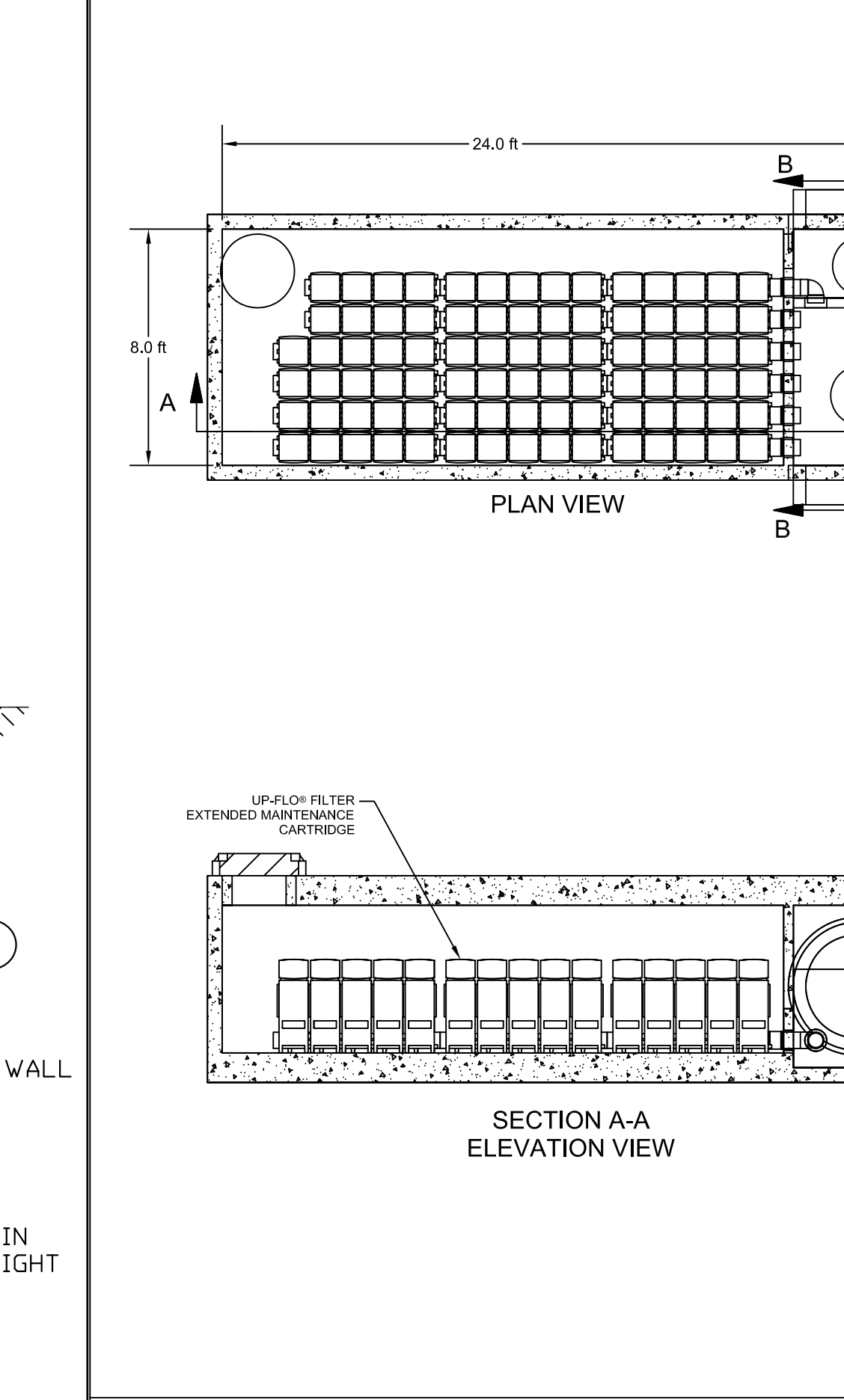
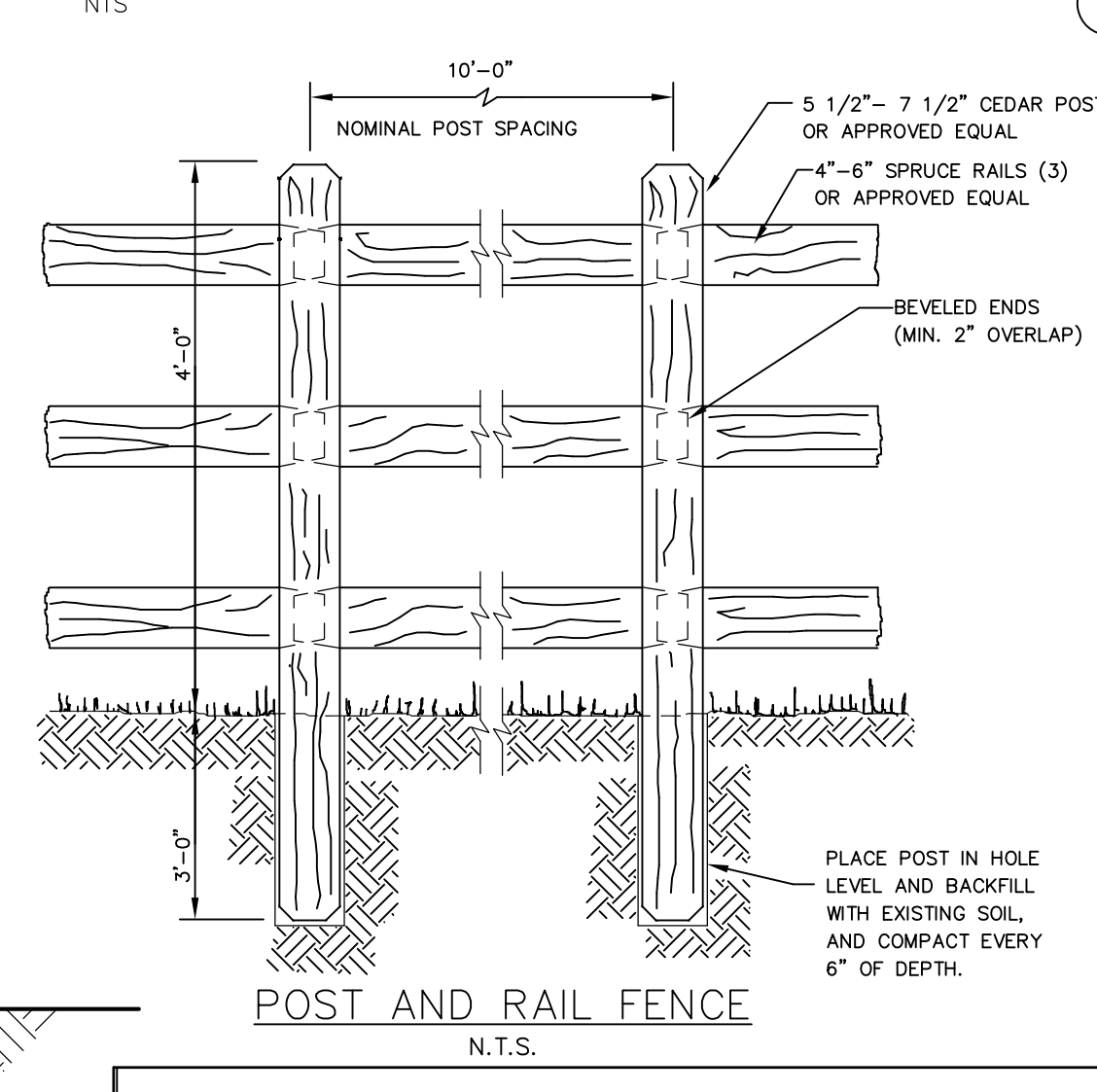
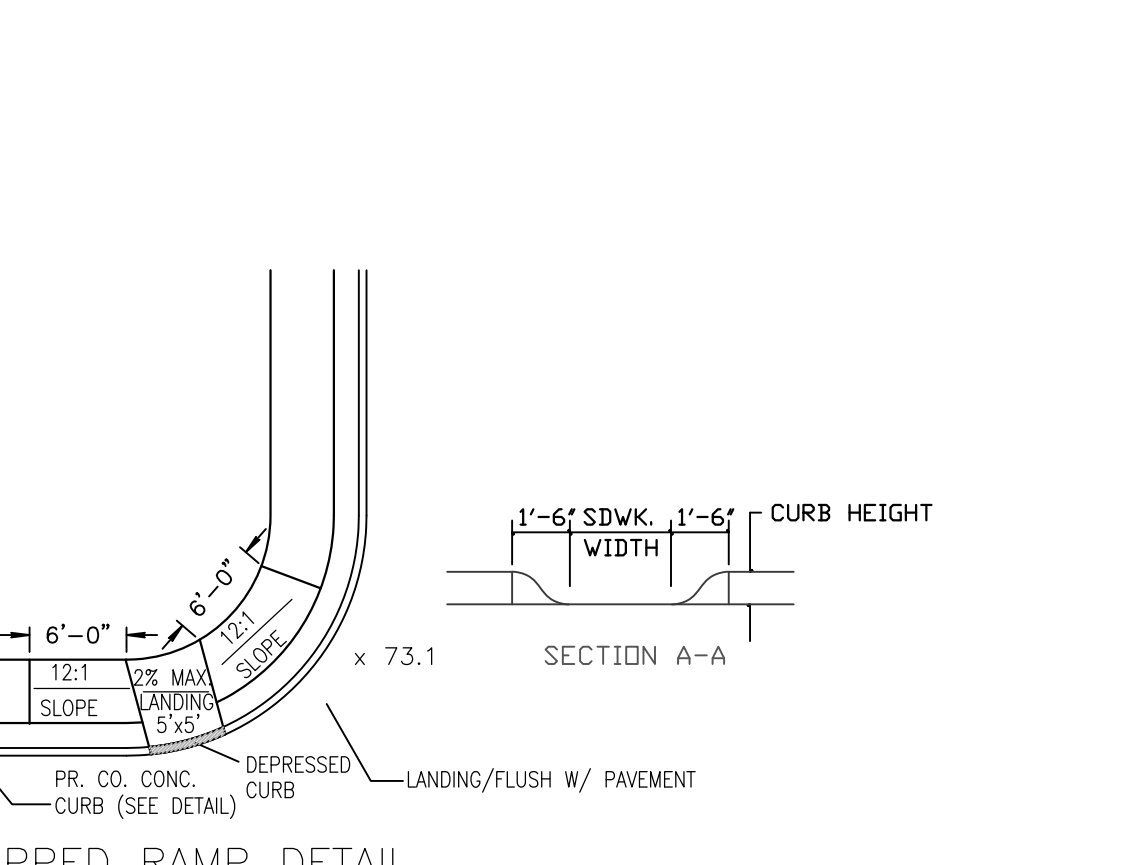
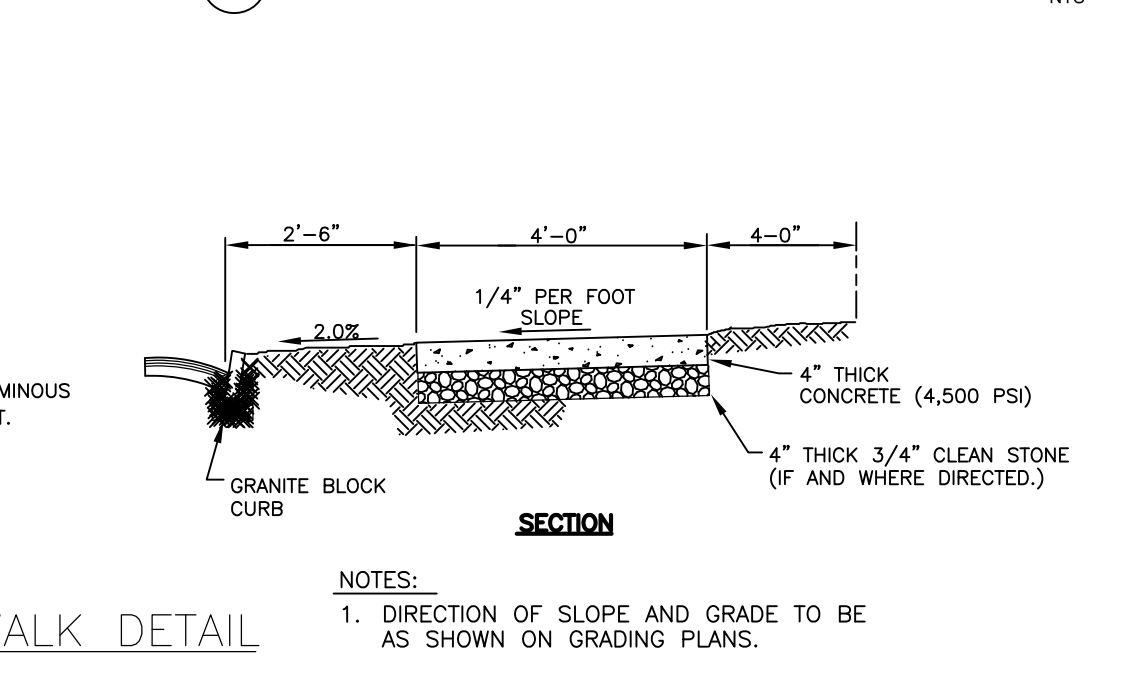
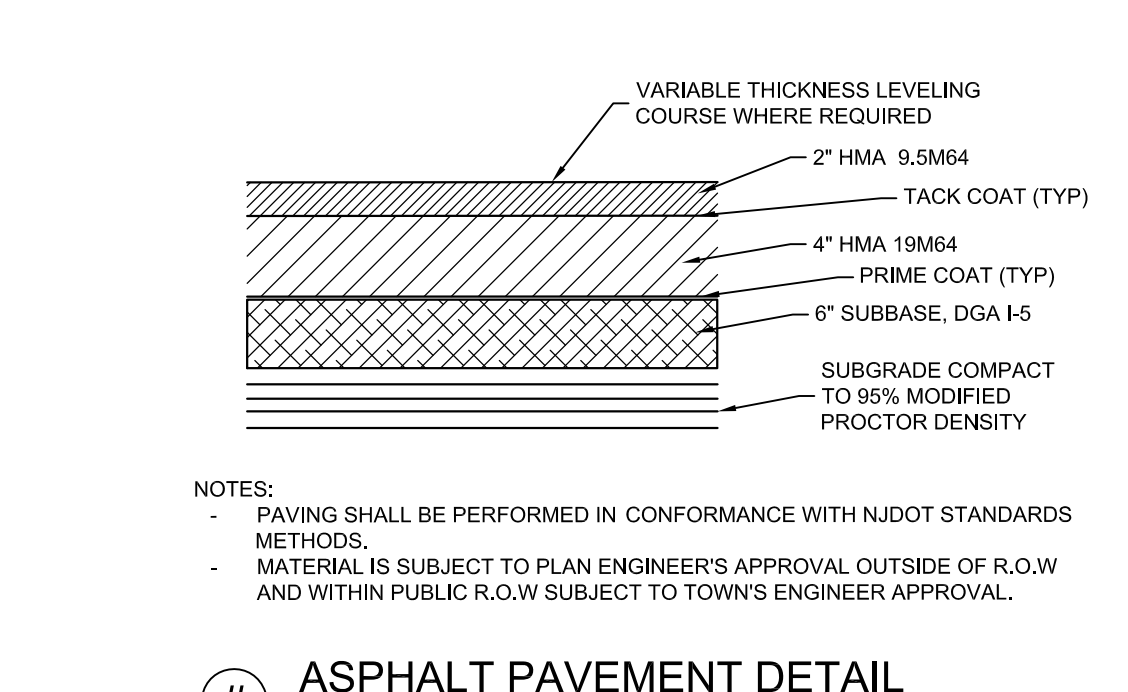
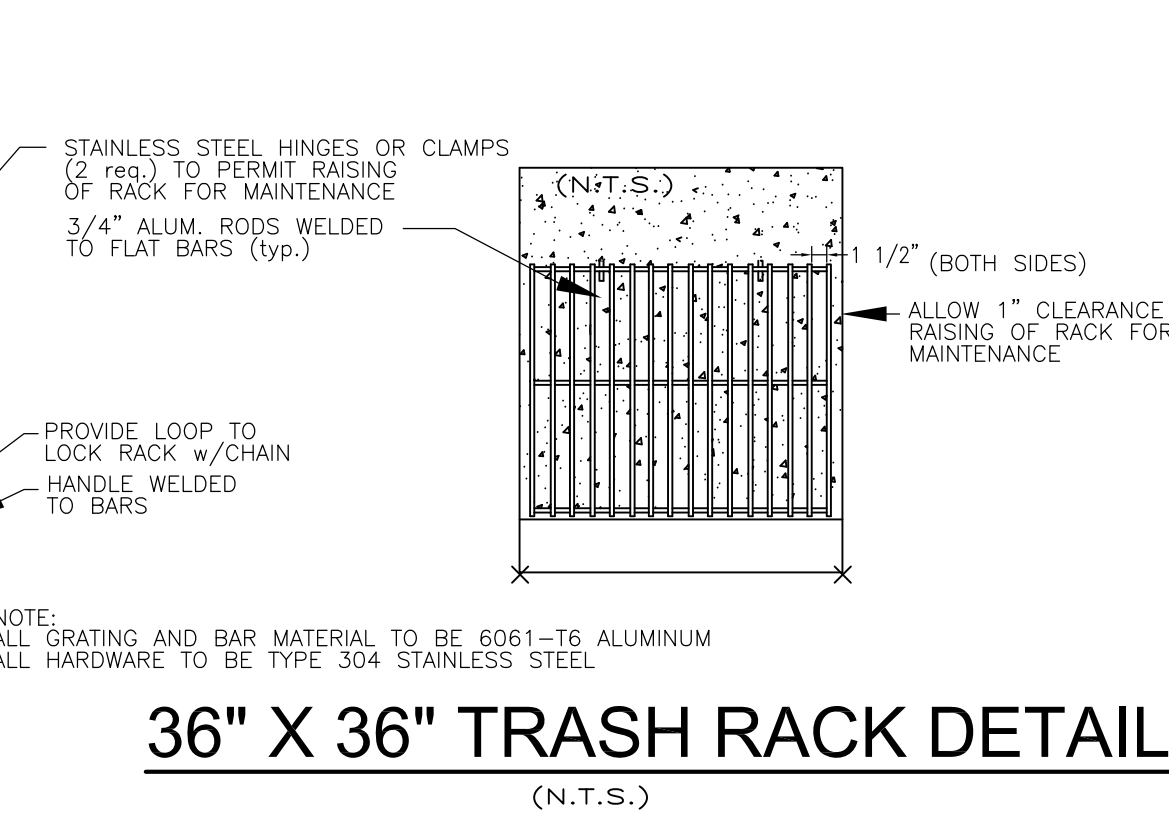
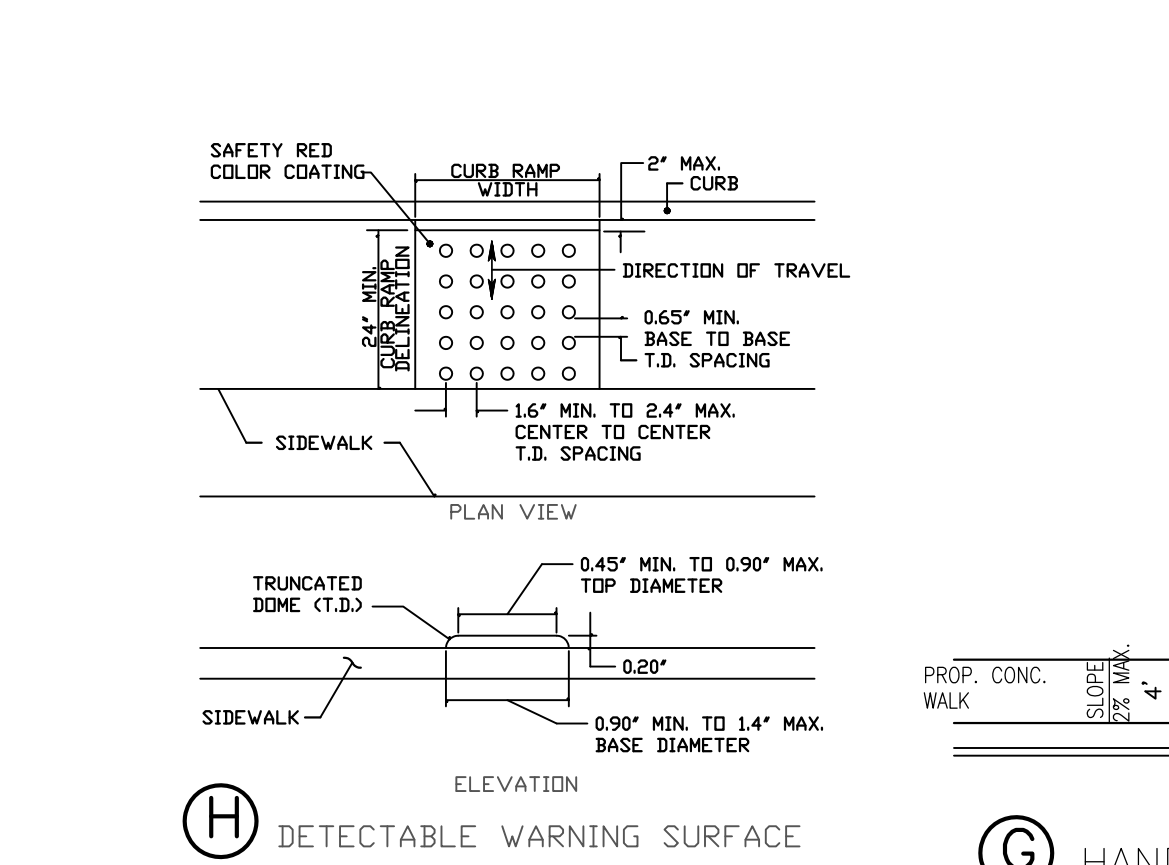
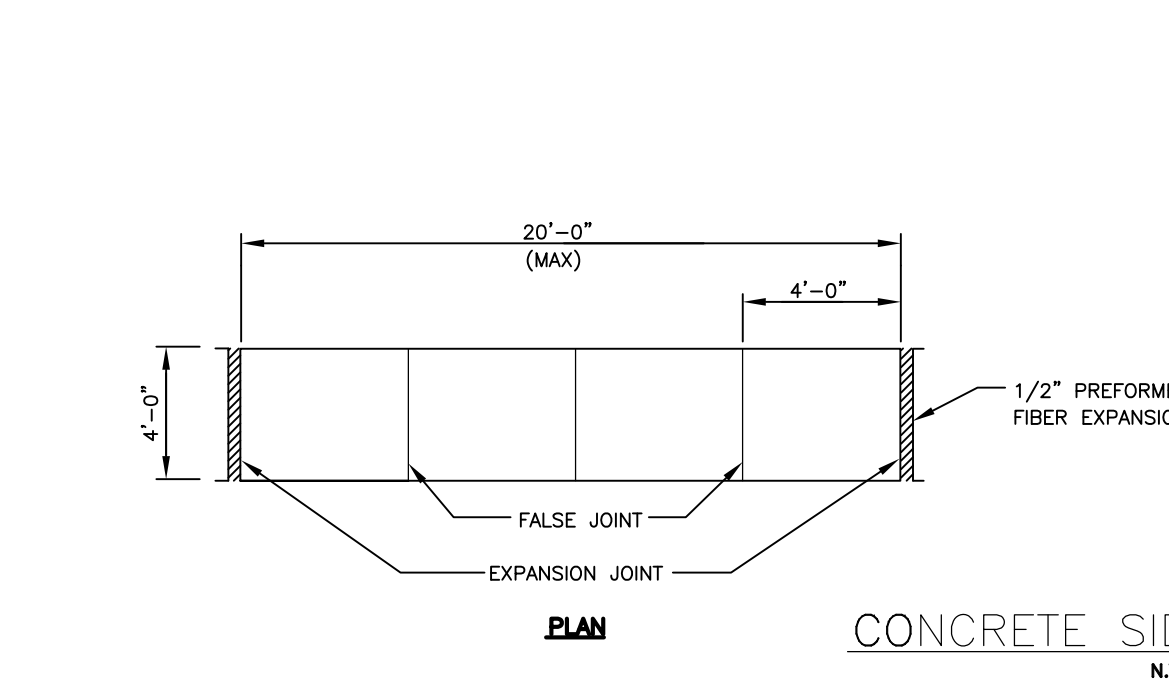
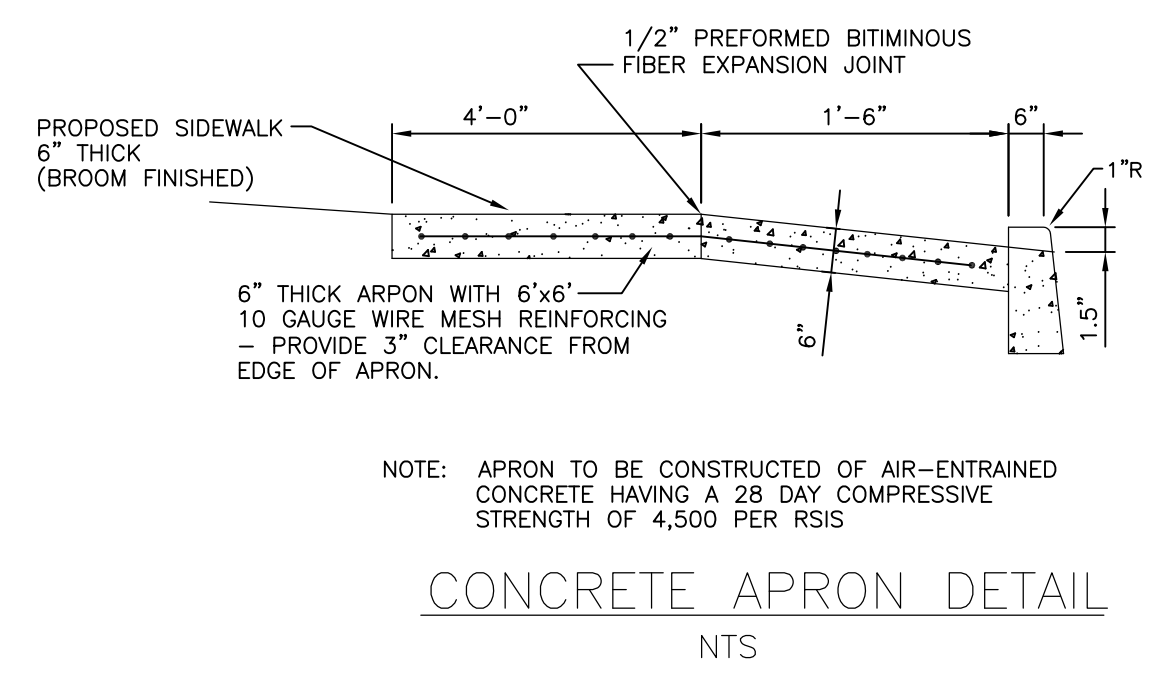
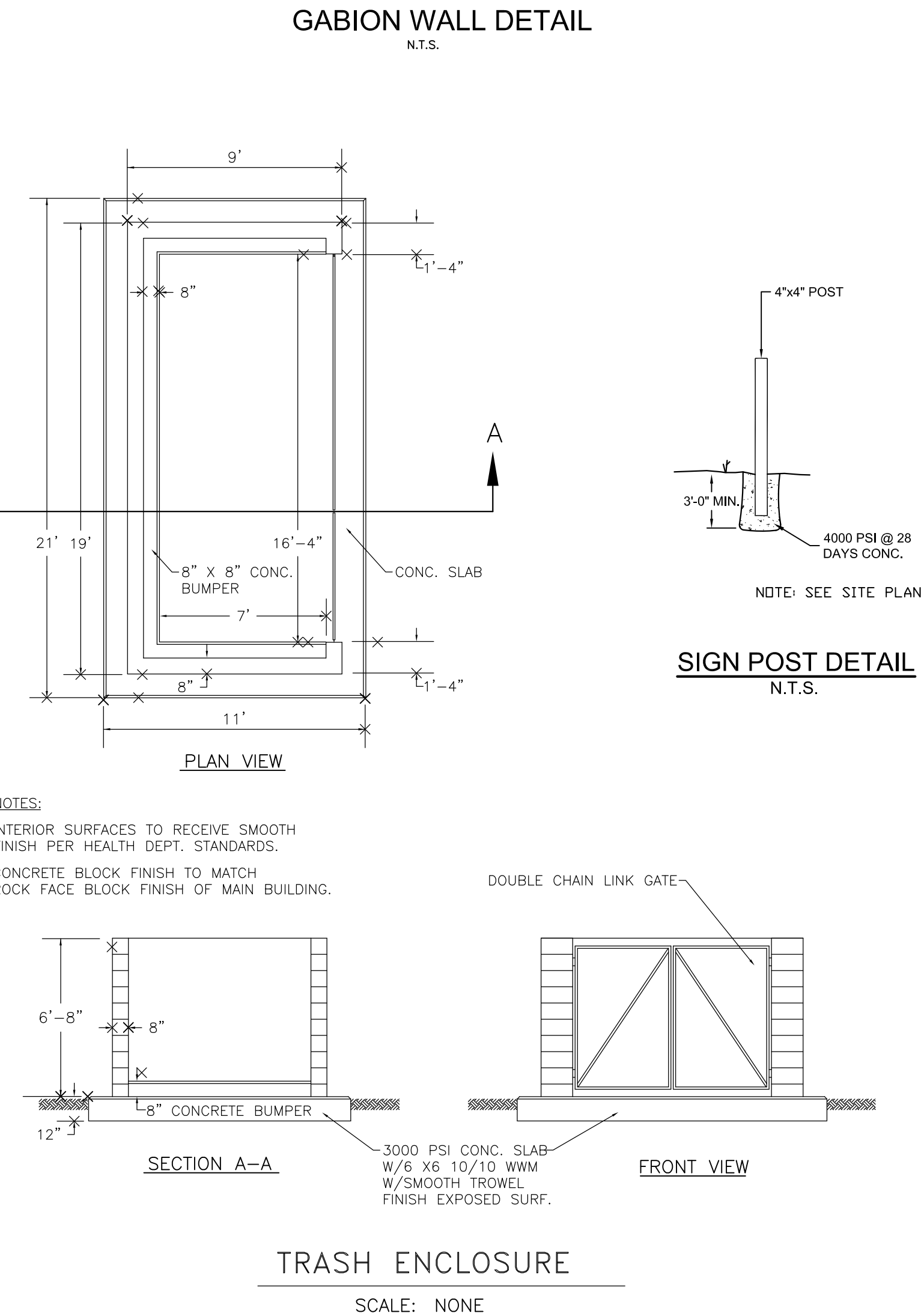
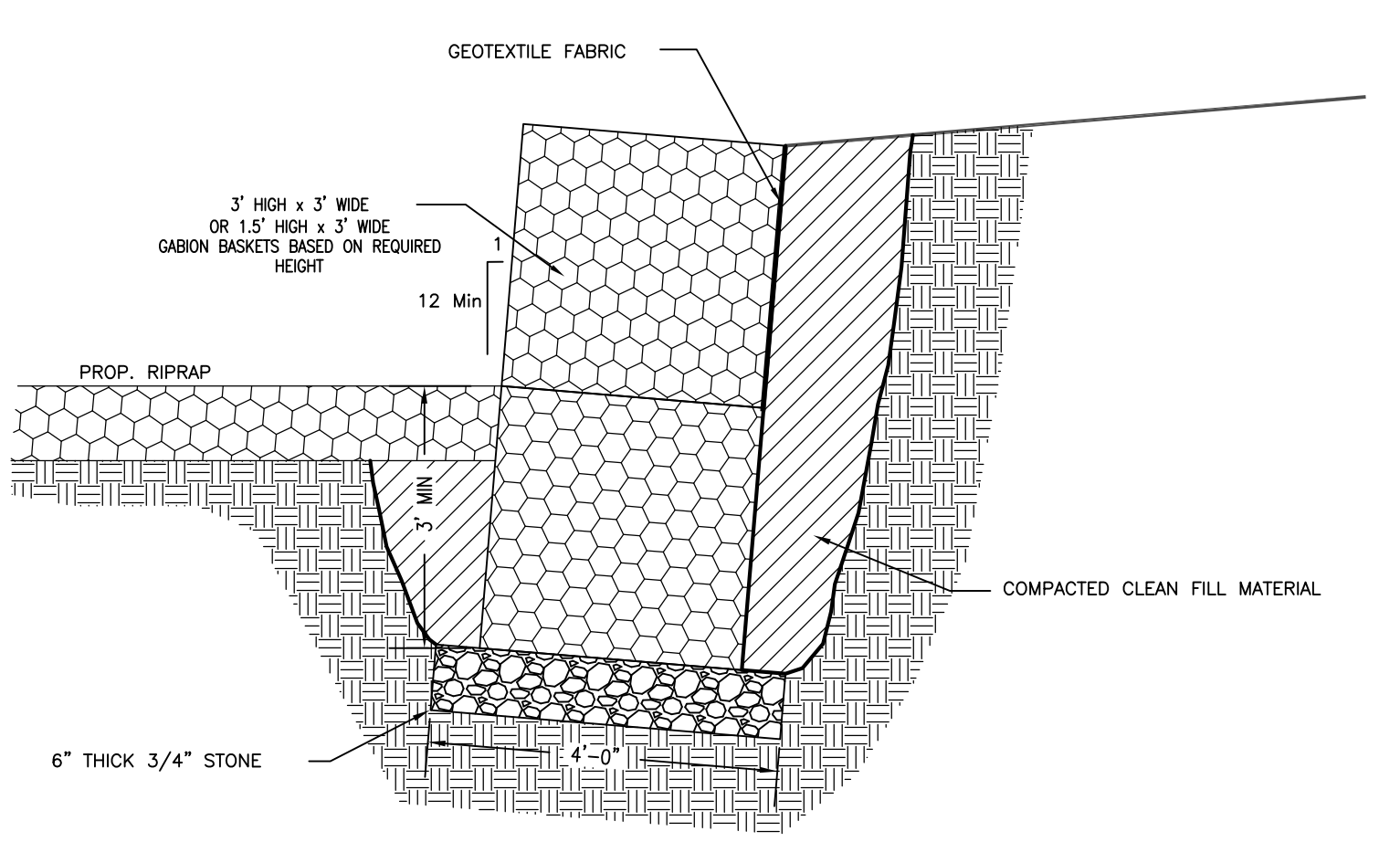
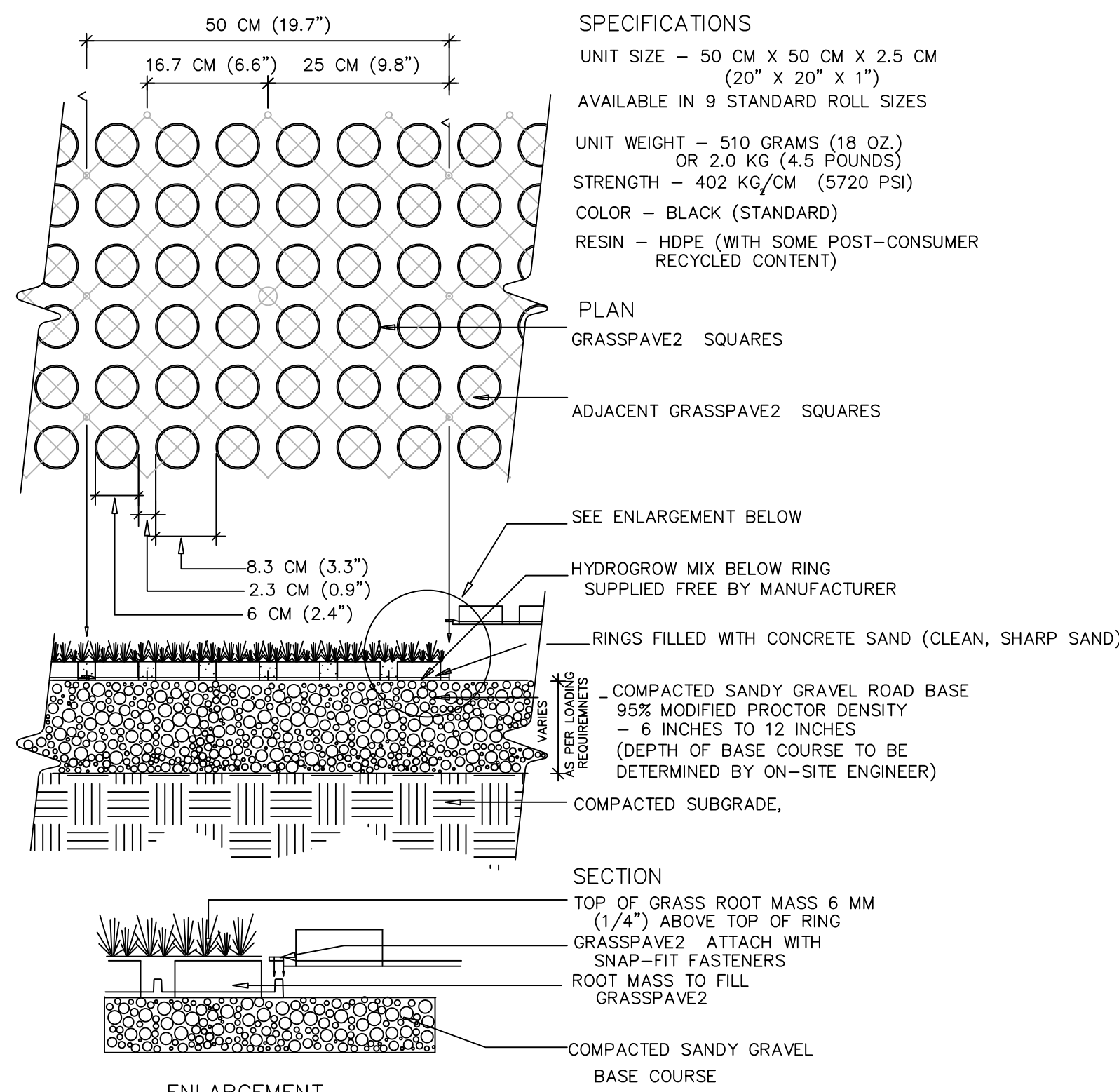
**12/3/2020**  
 DATE  
**WAYNE J. INGRAM**  
 PROFESSIONAL ENGINEER & LAND SURVEYOR  
 N.J. P.E. NO. 24GB04286200

**PROJECT:**  
**CLINTON COMMONS**  
**MINOR SUBDIVISION AND SITE PLAN**  
 65 1/2 CENTER STREET  
 BLOCK 14 LOT 32  
 TOWN OF CLINTON  
 HUNTERDON COUNTY NEW JERSEY

**TITLE:**  
**STANDARD CONSTRUCTION**  
**DETAILS - I**

**JOB NO.:** 8144/32606 **DRAWING NO.:** 21  
**SCALE:** N.T.S. **21**  
**DESIGNED:** BH  
**CHECKED:** CRN  
**FILENAME:** 32606.DWG  
**DATE:** 12/03/2020 **22**





140 WEST MAIN STREET PH: 908-238-0544	HIGH BRIDGE, NJ 08829 FAX: 908-238-0572
A PROFESSIONAL ASSOCIATION	
CERTIFICATE OF AUTHORIZATION NO.: 24G2021500 EXP: 8/31/2022	
3 TWP. REV.	BH 5-24-21
4 DEP. REV.	BH 4-23-21
3 DEP. REV.	BH 4-20-21
2 DEP. REV.	BH 4-18-21
1 DEP. REV.	BH 1-30-21
NO.	REVISION BY DATE

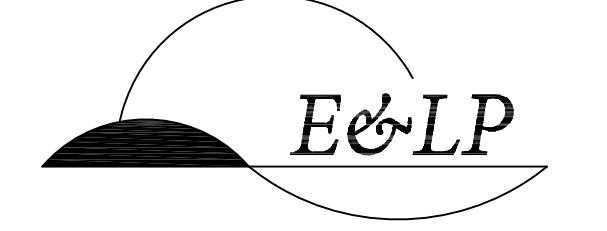
12/3/2020  
DATE  
PROFESSIONAL ENGINEER & LAND SURVEYOR  
N.J. P.E. NO. 24GB04258200

PROJECT:  
**CLINTON COMMONS  
MINOR SUBDIVISION AND SITE PLAN**  
65 1/2 CENTER STREET  
BLOCK 14 LOT 32  
TOWN OF CLINTON  
HUNTERDON COUNTY NEW JERSEY

TITLE:  
**STANDARD CONSTRUCTION  
DETAILS - II**

JOB NO.: 8144/32606  
SCALE: NTS  
DESIGNED: BH  
CHECKED: CRN  
FILENAME: 32606.DWG  
DATE: 12/03/2020

DRAWING NO.:  
**22**  
22



COPYRIGHT 2019 ENGINEERING & LAND PLANNING ASSOC., INC. ALL RIGHTS RESERVED. THE COPY OR REUSE OF THIS DOCUMENT OR ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC. THE DRAWING IS THE SOLE PROPERTY OF ENGINEERING & LAND PLANNING ASSOC., INC. AND HAS BEEN PREPARED SPECIFICALLY FOR USE BY THE OWNER OF THIS PROJECT AT THE SITE. IT IS NOT TO BE USED BY ANY OTHER PERSON OR FOR ANY OTHER PROJECT OR LOCATION WITHOUT THE WRITTEN CONSENT OF ENGINEERING & LAND PLANNING ASSOC., INC.

PROJECTION  
**IF IN DOUBT ASK**  
COMMENTS:  
1. STRUCTURE WALL AND SLAB THICKNESS ARE NOT TO SCALE.  
2. NOT FOR CONSTRUCTION CONTACT HYDRO FOR SITE SPECIFIC DRAWING  
3. MINIMUM PERFORMANCE: 80% REMOVAL, N-JDEP = N-JDEP BLEND; N-JCAT, 50-CO-50 (OR 60-40 = 22 INCHES) AT THE PEAK TREATMENT FLOW  
4. NOT ALL SIZES AVAILABLE IN ALL AREAS  
5. CARTRIDGE SIZES AVAILABLE IN 18", 27" AND 36"  
6. FOR INSIDE VALVE HEIGHTS UNDER 66.0 IN CONTACT HYDRO  
\*Using the maximum number of cartridges may require an alternate configuration. Please contact techsupport@hydro-int.com

REVISION HISTORY  
REV BY DESCRIPTION DATE  
1 ENR INITIAL RELEASE 3/30/2020  
DATE SCALE  
3/30/2020 1:60

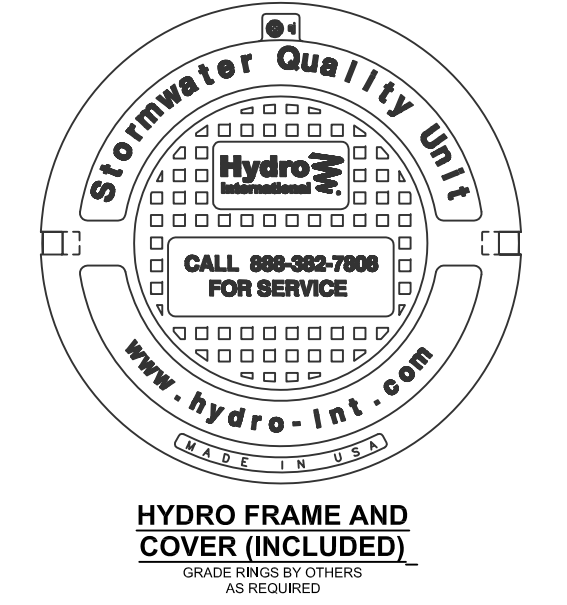
UP-FLOW FILTER EXTENDED MAINTENANCE CARTRIDGE  
8X X 24H

GENERAL ARRANGEMENT

**Hydro International**  
94 Hutchins Drive  
Portland, ME 04102  
Tel: +1 (207) 756-6200  
Fax: +1 (207) 756-6212  
hydro-int.com

DRAWING NO.:  
UP-FLOW FILTER EMC  
SHEET SIZE: 11 OF 1

CARTRIDGE HEIGHT (in)	TREATMENT FLOW PER CARTRIDGE (gpm)	TREATMENT AREA PER CARTRIDGE (sq ft)	RECOMMENDED HYDRAULIC DROP INVERT TO INVERT (in)	MAXIMUM CARTRIDGES
36	12.4	0.12	36	88



ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT (OR THE PERFORMANCE THEREOF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL DISCLAIMS ALL LIABILITY FOR CONTINUOUS DEVELOPMENT AND RESERVES THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, OR ANY PART THEREOF, IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.